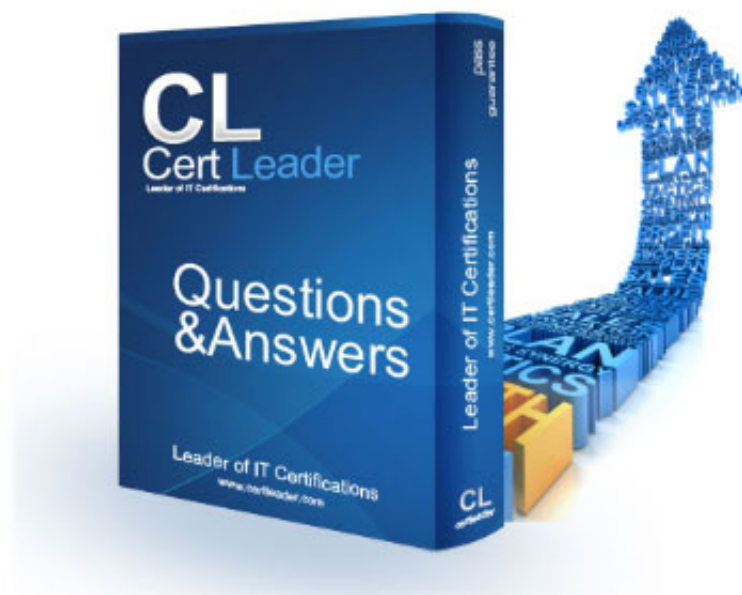


98-381 Dumps

Introduction to Programming Using Python

<https://www.certleader.com/98-381-dumps.html>



NEW QUESTION 1

The ABC company is creating a program that allows customers to log the number of miles biked. The program will send messages based on how many miles the customer logs.

You create the following Python code. Line numbers are included for reference only.

```
01
02     name = input("What is your name? ")
03     return name
04
05     calories = miles * calories_per_mile
06     return calories
07
08 distance = int(input("How many miles did you bike this week? "))
09 burn_rate = 50
10 biker = get_name()
11 calories_burned = calc_calories(distance, burn_rate)
12 print(biker, ", you burned about" ,calories_burned, "calories.")
```

You need to define the two required functions.

Which code segments should you use for line 01 and line 04? Each correct answer presents part of the solution? (Choose two.)

- A. 01 def get_name():
- B. 01 def get_name(biker):
- C. 01 def get_name(name):
- D. 04 def calc_calories():
- E. 04 def calc_calories(miles, burn_rate):
- F. 04 def calc_calories(miles, calories_per_mile):

Answer: BE

Explanation:

References: <https://www.w3resource.com/python/python-user-defined-functions.php>

NEW QUESTION 2

HOTSPOT

You are developing a Python application for an online game.

You need to create a function that meets the following criteria:

- ? The function is named update_score
- ? The function receives the current score and a value
- ? The function adds the value to the current score
- ? The function returns the new score

How should you complete the code? To answer, select the appropriate code segments in the answer area.

Answer Area

<div>▼</div> <div>update_score def update_score return update_score</div>	<div>▼</div> <div>(current, value): (): (current, value) ()</div>
<div>▼</div> <div>pass current return current return pass</div>	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References: <https://www.w3resource.com/python/python-user-defined-functions.php>

NEW QUESTION 3

HOTSPOT

You develop a Python application for your company.

You have the following code. Line numbers are included for reference only.

```
01 def main(a,b,c,d):
02     value = a+b*c-d
03     return value
```

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the code segment.

Answer Area

Which part of the expression will be evaluated first?

a+b
b*c
c-d

Which operation will be evaluated second?

addition
subtraction

Which expression is equivalent to the expression in the function?

(a+b) * (c-d)
(a + (b*c)) - d
a + ((b * c) - d)

- A. Mastered
B. Not Mastered

Answer: A

Explanation:
References: http://www.mathcs.emory.edu/~valerie/courses/fall10/155/resources/op_precedence.html
<http://interactivepython.org/runestone/static/pythonds/BasicDS/InfixPrefixandPostfixExpressions.html>

NEW QUESTION 4
DRAG DROP

You are writing a function that works with files.
You need to ensure that the function returns None if the file does not exist. If the file does exist, the function must return the first line.
You write the following code:

```
import os
def get_first_line(filename, mode):
```

In which order should you arrange the code segments to complete the function? To answer, move all code segments from the list of code segments to the answer area and arrange them in the correct order.

Code Segments

if os.path.isfile(filename):

return file.readline()

with open(filename, 'r') as file:

return None

else:

Answer Area

- A. Mastered
B. Not Mastered

Answer: A

Explanation:
References: <http://effbot.org/zone/python-with-statement.htm>

NEW QUESTION 5
HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer Area

	Yes	No
A try statement can have one or more except clauses.	<input type="radio"/>	<input type="radio"/>
A try statement can have a finally clause without an except clause.	<input type="radio"/>	<input type="radio"/>
A try statement can have a finally clause and an except clause.	<input type="radio"/>	<input type="radio"/>
A try statement can have one or more finally clauses.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

References: <https://docs.python.org/2.0/ref/try.html>

NEW QUESTION 6

The ABC company has hired you as an intern on the coding team that creates e-commerce applications.

You must write a script that asks the user for a value. The value must be used as a whole number in a calculation, even if the user enters a decimal value.

You need to write the code to meet the requirements. Which code segment should you use?

- A. `totalItems = input("How many items would you like?")`
B. `totalItems = float(input("How many items would you like?"))`
C. `totalItems = str(input("How many items would you like?"))`
D. `totalItems = int(input("How many items would you like?"))`

Answer: A

Explanation:

References: <http://www.informit.com/articles/article.aspx?p=2150451&seqNum=6>

NEW QUESTION 7

You are writing a Python program to automate inventory. Your first task is to read a file of inventory transactions. The file contains sales from the previous day, including the item id, price, and quantity.

The following shows a sample of data from the file:

```
10, 200, 5
20, 100, 1
```

The code must meet the following requirements:

- ? Each line of the file must be read and printed
- ? If a blank line is encountered, it must be ignored
- ? When all lines have been read, the file must be closed

You create the following code. Line numbers are included for reference only.

```
01 inventory = open("inventory.txt", 'r')
02 eof = False
03 while eof == False:
04     line = inventory.readline()
05
06
07     print(line)
08 else:
09     print ("End of file")
10     eof = True
11     inventory.close()
```

Which code should you write for line 05 and line 06?

A

```
05 if line != '\n':
06     if line != "":
```

B

```
05 if line != '\n':
06     if line != None:
```

C

```
05 if line != '':
06     if line != "":
```

D

```
05 if line != '':
06     if line != "\n":
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 8

DRAG DROP

The ABC company is converting an existing application to Python. You are creating documentation that will be used by several interns who are working on the team.

You need to ensure that arithmetic expressions are coded correctly.

What is the correct order of operations for the six classes of operations ordered from first to last in order of precedence? To answer, move all operations from the list of operations to the answer area and arrange them in the correct order.

Operations

Answer Area

Parenthesis

Exponents

And

Multiplication and Division

Addition and Subtraction

Unary positive, negative, not

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

References: http://www.mathcs.emory.edu/~valerie/courses/fall10/155/resources/op_precedence.html

NEW QUESTION 9

You develop a Python application for your school.

You need to read and write data to a text file. If the file does not exist, it must be created. If the file has content, the content must be removed.

Which code should you use?

- A. `open("local_data", "r")`
B. `open("local_data", "r+")`
C. `open("local_data", "w+")`
D. `open("local_data", "w")`

Answer: B

Explanation:

References: <https://pythontips.com/2014/01/15/the-open-function-explained/>

NEW QUESTION 10

DRAG DROP

You are writing a Python program to perform arithmetic operations. You create the following code:

```
a = 11
b = 4
```

Results

Answer Area

`print(a / b)`

`print(a // b)`

`print(a % b)`

2

3

2.75

What is the result of each arithmetic expression? To answer, drag the appropriate expression from the column on the left to its result on the right. Each expression may be used once, more than once, or not at all.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

References: <https://www.w3resource.com/python/python-operators.php>

NEW QUESTION 10

You are creating a function that reads a data file and prints each line of the file. You write the following code. Line numbers are included for reference only.


```
01 import os
02 def read_file(file):
03     line = None
04     if os.path.isfile(file):
05         data = open(file,'r')
06         while line != '':
07             line = data.readline()
08             print(line)
```

The code attempts to read the file even if the file does not exist. You need to correct the code.
Which three lines have indentation problems? Each correct answer presents part of the solution. (Choose three.)

- A. Line 01
- B. Line 02
- C. Line 03
- D. Line 04
- E. Line 05
- F. Line 06
- G. Line 07
- H. Line 08

Answer: F

NEW QUESTION 12

DRAG DROP

You are writing a Python program. The program collects customer data and stores it in a database. The program handles a wide variety of data. You need to ensure that the program handles the data correctly so that it can be stored in the database correctly. Match the data type to the code segment. To answer, drag the appropriate data type from the column on the left to its code segment on the right. Each data type may be used once, more than once, or not at all.

Operations

bool

float

int

str

Answer Area

age = 2

minor = False

name = "Contoso"

weight = 123.5

zip = "81000"

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References: <https://www.w3resource.com/python/python-data-type.php>

NEW QUESTION 14

DRAG DROP

You are building a Python program that displays all of the prime numbers from 2 to 100. How should you complete the code? To answer, drag the appropriate code segments to the correct location. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

Code Segments		Answer Area
<pre>p = 2 while p <= 100: is_prime = True</pre>	<pre>p = 2 is_prime = True while p <= 100:</pre>	<div></div>
<pre>break</pre>	<pre>continue</pre>	<div></div>
<pre>p = p + 1</pre>	<pre>for i in range(2, p): if p / i == 0: is_prime = False</pre>	<div></div>
<pre>for i in range(2, p): if p % i == 0: is_prime = False</pre>		<pre>if is_prime == True: print(p)</pre> <div></div>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

References: <https://docs.python.org/3.1/tutorial/inputoutput.html>

<https://stackoverflow.com/questions/11619942/print-series-of-prime-numbers-in-python> <https://www.programiz.com/python-programming/examples/prime-number-intervals>

NEW QUESTION 16

HOTSPOT

You find errors while evaluating the following code. Line numbers are included for reference only.

```
01 numbers = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
02 index = 0
03 while (index < 10)
04     print(numbers[index])
05
06     if numbers(index) = 6
07         break
08     else :
09         index += 1
```

You need to correct the code at line 03 and line 06.

How should you correct the code? Use the drop-down menus to select the answer choice

that answers each question based on the information presented in the code segment. NOTE: Each correct selection is worth one point.

Answer Area

Which code segment should you use at line 03?

▼

```
while (index < 10) :
while [index < 10]
while (index < 5) :
while [index < 5]
```

Which code segment should you use at line 06?

▼

```
if numbers[index] == 6
if numbers[index] == 6 :
if numbers(index) = 6 :
if numbers(index) != 6
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

References: <https://www.w3resource.com/python/python-while-loop.php>

NEW QUESTION 17

DRAG DROP

You are writing a Python program that evaluates an arithmetic formula.

The formula is described as b equals a multiplied by negative one, then raised to the second power, where a is the value that will be input and b is the result.

You create the following code segment. Line numbers are included for reference only.

```
01 a = eval(input("Enter a number for the equation: "))
02 b =
```

Code Segments

Answer Area

-	()	**	**2	2	a
---	---	---	----	-----	---	---

b =

--	--	--	--	--

You need to ensure that the result is correct.

How should you complete the code on line 02? To answer, drag the appropriate code segment to the correct location. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

b = (-a)**2

NEW QUESTION 22

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