ICS 104 Quiz1 212 sec

**Circle the correct answer**

**1)** What is the correct sequence of steps invoked by the Python Interpreter:

1. source code -> virtual machine -> byte code -> compiler
2. source code -> compiler -> byte code -> virtual machine
3. compiler -> source code -> virtual machine -> byte code
4. byte code -> virtual machine -> source code -> compiler

**2)** Assuming that **m** is a positive integer, what is the range of values produced by the following Python expression:

**m % 100 // 10**

A. from 0 to 10

B. from 1 to 9

C. from 1 to 10

D. from 0 to 9

**3)** Consider the following Python statement:

x=input("Eneter x: ")

If the user has typed the expression: 7-3\*4 as input

What will be the value of x?

A. "7-3\*4"

B. 16

C. This will generate an error

D. -5

**4)** Assume that **hh** contains a positive integer value representing hours. Which of the following Python statement will result in whole days contained in the hours in **hh**.

A. dd = hh / 24 / 7

B. dd = hh // 24 % 7

C. dd = hh // 24 // 7

D. dd = hh % 24 // 7

**5)** Consider the following Python print statement:

print( )

What should we put inside the brackets of print to have the following output: **6.7 7 8.0**

A. round (6.674,1) , float (7.46,0) , float (8,1)

B. float (7.46,0) , int(7.46) , float(8)

C. round(6.674,1) , int(7.46), float(8)

D. round(7.46,1) , round (7.46,0) , float (8,1)

**6)** Which type of error is usually the most difficult to locate in your program?

1. Indentation Error
2. Logic Error
3. Syntax Error
4. Zero Division Error

7) Which of the following are valid variable names?

i. 3Cans ii. If iii. \_length

iv. square area v. class\_type

A. ii, iii,iv

B. i, ii, iii

C. ii, iii, v

D. i, iv, v

8) Given the following python statements:

x = -8.576

y = 25

Which of the following print statements produces the following formatted output?

(Each square represents one space)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | - | 8 | . | 6 |  |  |  | 2 | 5 |

1. print("%6.2f%4d" % (x, y))
2. print("%5.1f%5d" % (x, y))
3. print("%8.1f%2d" % (x, y))
4. print("%3.1f%3d" % (x, y))

**9)** Consider the following Python statements:

st='DHAH RAN'

stnew=st[2]\*len(st)

print(stnew)

What will be the output displayed after executing the above statements:

There is one blank between H and R

A. AAAAAAAA

B. HHHHHHH

C. H\*7

D. AAAAAAA

10) What is the output of this expression, 2\*\*1\*\*3?  
 A. 2  
 B. 4  
 C. 6  
 D. 8

**11)** Suppose the variable **m** has the value 8 and **n** has the value 25. After executing the statements:  
m = nn = mwhat will be the values of **m** and **n**, respectively?  
 A. 25 and 8  
 B. 8 and 25  
 C. 8 and 8  
 D. 25 and 25

**12)** What will be the result of the following Python expressions, respectively:

**7/2\*2** and **7//2\*2**

A. 7 and 7

B. 7.0 and 7

C. 7.0 and 6

D. 7 and 6

**13)** What is the output after executing the following Python statements:

m=n-1

n=20

print(m,n)

A. 19 20

B. 20 19

C. -1 20

D. It will generate an error