

Question 1

4 out of 4 points

What is the output of the following code?

```

number = 5
while number > 1:
    print(number, end=" ")
    number = number - 1

```

I = empty space

Answer: 5 I 4 I 3 I 2 I

Question 2

4 out of 4 points

Assuming a user enters 2, 4, and 6 as the input, what is the output of the following code snippet?

```

n1 = int(input("Enter a number: "))
n2 = int(input("Enter a number: "))
n3 = int(input("Enter a number: "))

if not (n1 > n2 and n1 > n3):
    print(n1)
elif not (n2 > n1 and n2 > n3):
    print(n2)
elif not (n3 > n1 and n3 > n2):
    print(n3)

```

2 4 2 6
2 isn't greater than 4
and 2 // // // 6

Answer: 2

Question 3

4 out of 4 points

```

a = "b"
ch = str(a)
ch = ch.upper()

if len(ch) == 0 or len(ch) > 1:
    print("That input didn't have a valid length.")
elif ch in "AEIOU":
    print("Vowel")
elif ch >= "A" and ch <= "Z":
    print("Consonant")
else:
    print("That was neither a vowel nor a consonant.")

```

len = -1
it's between A and Z

What is the output of the below code?

Answer: Consonant

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SomeoneA

Question 4

8 out of 8 points

What is the output of the following code?

```

x = 2
a = 1
b = -5
if a > 0: ✓
    if b > 0: ✗
        x = x + 4
    else:
         $2 + 3 = 5$ 
        x = x + 3
else:
    x = x + 2
print(x)

```

Answer: 5

Question 5

4 out of 4 points

Consider the following Python code fragment, what will be printed?

```

flag = False
i = 20
while not flag and i > 0 :
    flag = i // 3 < 2
    Here we should change value of i to avoid infinite loop.
    print("The value of i =", i)

```

Answer: Nothing will be printed because of an infinite loop

Question 6

8 out of 8 points

What is the output of the below code? Please include the output in each line ONLY IF NEEDED.

```

for i in range(3):
    for j in range(5):
        if i * 2 == j :
            print("*", end="")
        else:
            print("-", end="")
    print()

```

Python tutor

Answer: * - - - -

- - * - -

- - - - *

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Question 7

4 out of 4 points

What is the output of the following code?

```
t = 0
for i in range(0,2):
    for j in range(0,3):
        t = t + j
print(t)
```

Python Tutor

Answer: 6

Question 8

4 out of 4 points

Assuming a user enters "KFUPM Dhahran" as the input, what is the output of the following code snippet?

```
sentence = input("Enter a sentence: ")
uppercase = 0
for char in sentence:
    if char.isupper():
        uppercase = uppercase + 1
print(uppercase)
```

So here we have
6 uppercase letters

Answer: 6

Question 9

4 out of 4 points

What is the output of the below code?

```
Str = "This is ICS 104 course"

string = ""
if Str.isalnum():
    for i in Str:
        if i.isalpha() and i != "e":
            string = string + i + " "
else:
    for i in Str:
        if i.isdigit() and i != "4":
            string = string + i + ","
        elif i == "4":
            string = string + i
print(string)
```

X

step 1: 1,
step 2: 1,0,
step 3: i=4
∴ 1,0,4

Answer: 1,0,4

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Question 10

0 out of 8 points

Assuming a user enters

Text Editor

as the input, what is the output of the following code snippet?

```
found = False
position = 0
text = input("Enter some text: ")
while not found and position < len(text) :
    if text[position] == "o" :
        found = True
    else :
        position = position + 1
print(position)
```

↗️ 😊
don't forget that
index starts from zero

Answer: 9

T	E	x	T	/	E	D	I	T	O	/	R
0	1	2	3	4	5	6	7	8	9	10	

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