

**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: 5I4I3I2I

**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): 2 isn't greater than 4
    print(n1)
elif not (n2 > n1 and n2 > n3):
    print(n2)
elif not (n3 > n1 and n3 > n2):
    print(n3)
```

2 4 2 6  
and 2 / / / 6

Answer: 2

**Question 3**

4 out of 4 points

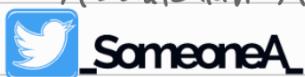
```
a = "b"
ch = str(a)
ch = ch.upper()

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

What is the output of the below code?

Answer: Consonant

By: Abdellah Alghamdi



\_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
    print("The value of i =", i) loop.
```

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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By: Abdullah Alghamdi

**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)
```

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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)
```

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

Answer: 1,0,4

By: Abdullah Alghamdi

### 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	

By: Abdullah Alghamdi

