

Thank you for taking the Week 1: Assignment 1.

Week 1: Assignment 1

Your last recorded submission was on 2022-02-04, 11:14 IST

Due date: 2022-02-09, 23:59 IST.

1) Which of the arithmetic operators given below cannot be used with 'strings' in Python?

1 point

- ☐ *
- ☒ -
- ☐ +
- ☐ All of the above

2) When the following statement is executed, what type of error is obtained?

1 point

```
var@check1 = 10
```

- ☐ Type Error
- ☒ Syntax Error
- ☐ Value Error
- ☐ None of the above

3) Two variables X and Y were assigned the following values initially. X = 3 and Y = 6. Which of the following statements will help swap the values between these two variables? 1 point

- ☐ Y = X
X = Y
- ☐ X = Y
Y = X
- ☒ X, Y = Y, X

4) From the following set of statements, what will be the value of variable y in the final print statement? 1 point

```
y = 1**2**3**2  
print("Variable y:",y)
```

- ☐ 8
- ☐ 9
- ☒ 1
- ☐ Error
- ☐ 16

5) Consider j = 5 and k = 11. We change the values from j = 7 and k remains constant. 1 point

What is `print(j|k)` before and after modification of value in variable j?

- ☐ 3,15
- ☒ 15,15
- ☐ 11,15
- ☐ 15,7
- ☐ None of the above

6) What would be the output of the following statements?

1 point

```
log_exp = not not True and False or not False
print(log_exp)
```

- ☐ False
- ☒ True
- ☐ Not True
- ☐ None of the above

7) What does `k = 4%7` evaluate to and what is the type of variable `k`?

1 point

- ☒ 4,int
- ☐ 0.0,float
- ☐ 0,int
- ☐ 1,int
- ☐ None of the above

8) `j = 6` and `g = 3.3`. If normal division and floor division was done between `j` and `k`, what would be the type of the resultant variable?

1 point

- ☐ int,int
- ☒ float,float
- ☐ float,int
- ☐ int,float
- ☐ None of the above

9) Consider two answers to a question; `answer1` and `answer2`. What is the output of the following set of statements?

1 point

```
answer1 = True
answer2 = False
print (answer1 * answer2)
```

- ☐ True
- ☐ False
- ☒ 0
- ☐ 1

10) Consider the list of instructions and resulting outputs given below. Pick the set that is incorrect.

1 point

```
1. print("Good", end = "")
   print("Day")
   Output -> GoodDay

2. word1 = "Trial"
   print("Word is %s" %word1)
   Output -> Trial

3. num1 = 23
   print( " Number: %f " %num1 )
   Output -> Number: 23.000000

4. print( "ready\nsteady\ngo")
   Output -> ready
               steady
               go
```

- ☐ 4
- ☒ 2
- ☐ 1,3,4
- ☐ 3,4
- ☐ All are correct

```
In [1]: # When the following statement is executed, what type of error is obtained?
var@check1 = 10
File "C:\Users\asus\AppData\Local\Temp\ipykernel_8188\3869232608.py", line 3
var@check1 = 10
^
SyntaxError: cannot assign to operator
```

```
In [2]: # Two variables X and Y were assigned the following values initially.
# X = 3 and Y = 6. Which of the following statements will help swap the values between these two variables?
x = 3
y = 6
x, y = y, x
print(x)
print(y)
6
3
```

```
In [3]: # From the following set of statements, what will be the value of variable y in the final print statement?
y = 1**2**3**2
print("Variable y:",y)
Variable y: 1
```


```
In [4]: # Consider j = 5 and k = 11. We change the values from j = 7 and k remains constant.
# What is print(j|k) before and after modification of value in variable j?
j = 5
k = 11
print(j|k)
j=7
print(j|k)
15
15
```











```
In [5]: # What would be the output of the following statements?
log_exp = not not True and False or not False
print(log_exp)
True
```

```
In [6]: # What does k = 4%7 evaluate to and what is the type of variable k?
k = 4%7
print(k)
4
```

```
In [7]: # j = 6 and g = 3.3. If normal division and floor division was done between j and k,
# what would be the type of the resultant variable?
j = 6
g = 3.3
print(j/g)
print(j//g)
1.8181818181818183
1.0
```

```
In [8]: # Consider two answers to a question; answer1 and answer2. What is the output of the following set of statements?
answer1 = True
answer2 = False
print(answer1 * answer2)
0
```

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         Code 

```
1.8181818181818183
1.0
```

In [8]: *# Consider two answers to a question; answer1 and answer2. What is the output of the following set of statements?*

```
answer1 = True
answer2 = False
print(answer1 * answer2)

0
```

In [9]: *# Consider the list of instructions and resulting outputs given below. Pick the set that is incorrect.*

```
print("Good",end="")
print("Day")

word1 = "Trial"
print("Word is %s"%word1)

num1 = 23
print("Number:%f"%num1)

print("ready\nsteady\ngo")

GoodDay
Word is Trial
Number:23.000000
ready
steady
go
```