

# Lab: Python 1

## Assignment Worksheet

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### Answer 1

What is the value of x given the statement:

```
x = "5" + "6"
```

- A. "11"
- B. "30"
- C. "56"
- D. "65"

Answer: C

### Answer 2

What is the value of x given the statement:

```
x = 5 + 6 # + 7 # + 8
```

- A. 11
- B. 30
- C. 56
- D. 65

Answer: A

### Answer 3

Write the first line of a function named 'multiplication' that accepts three arguments named 'one', 'two', and 'three'.

Answer: `def multiplication(one,two,three):`

### Answer 4

Write a statement that multiplies the three variables in the previous function definition (#3) and saves the result to a variable named 'output'

Answer: `def output=one*two*three`

### Answer 5

Write an if statement that checks whether a variable named 'latitude' is less than or equal to the value '90.0'.

Answer: `if(latitude<=90.0):`

### Answer 6

Write two Python statements that when combined check whether a 'longitude' variable is within the following range: -80.52 and -84.82

Two boxes. Either of these choices is acceptable for both boxes.

AnswerA: `if(longitude<=-80.52):`

AnswerB: `if(longitude>=-84.82):`

**Answer 7**

Write a function called 'max' that accepts three arguments 'one', 'two', and 'three' and returns the largest of them.

Answer: textbox (I will grade)

**Answer 8**

Write a statement that calls your function from #7, saves the output to 'x' and passes in as arguments the values -1, 0, and 1.

Answer: `x=max(-1,0,1)`

**Answer 9**

The following four questions (9-12) will create a four line program that tests whether a variable 'x' is incorrect and prints a statement depending on if x is 'INCORRECT'. First, write an if statement that tests whether a variable 'x' is different than "INCORRECT".

Answer: `if(x!="INCORRECT"):`

**Answer 10**

Write a statement that prints the string "X IS NOT INCORRECT. X=" followed by the value of x

Answer: `print("X IS NOT INCORRECT. X=",x)`

**Answer 11**

Write a statement that corresponds with an if statement (e.g., from #9) that will execute a portion of code ONLY when an if statement is false.

Answer: `else:`

**Answer 12**

Write a statement that prints "X is INCORRECT"

Answer: `print("X is INCORRECT")`