

Functions

TOTAL POINTS 5

1. Consider the function step, when will the function return a value of 1

1 point

```
1 def step(x):  
2     if x>0:  
3         y=1  
4     else:  
5         y=0  
6     return y
```

- ☒ If x is larger than 0
- ☐ If x is equal to or less than zero
- ☐ If x is less than zero

2. given the function add shown below, what does the following return :

1 point

```
1 def add(x):  
2     return(x+x)  
3  
4 add('1')
```

- ☐ 2
- ☒ '11'
- ☐ '2'

3. what does the following function return:

1 point

```
1 def hello():  
2     print("hello")
```

- ☐ "hello"
- ☒ None

4. what is the output of the following lines of code:

1 point

```
1 a=1  
2  
3 def do(x):  
4     a=100  
5     return(x+a)  
6  
7 print(do(1))  
8
```

- ☐ 2
- ☒ 101
- ☐ 102

5. Write a function name **add** that takes two parameter **a** and **b**, then return the output of **a + b** (Do not use any other variable! Do not need to run it. Only write the code about how you define it.)

1 point

```
1 def add(a,b):  
2     return a+b
```

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