

1.5-writing-functions-solutions

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0.1 # Writing Functions

0.2 EXERCISES

1. Suppose we have the following String variable:

```
y = "You just called a function on y"
```

Please, write a function $f()$ in python code that prints the above y string variable.

SOLUTION

```
[1]: # create a variable y

y = "You just called a function on y"

def f(y):
    print(y)
```

```
[2]: # call the function
f(y)
```

You just called a function on y

2. Suppose we have a function that adds 5 to a given integer as following:

```
def addFive(x):
    x = x + 5
    return x
```

What does this return?

```
5 + addFive(5)
```

SOLUTION

```
[3]: def addFive(x):
      x = x + 5
      return x
```

```
[4]: 5 + addFive(5) #add 5 to our addFive function
```

```
[4]: 15
```

3. Write a function *bmi(height, weight)* that returns the Body Mass Index.

The formula for BMI is kg/m^2 .

SOLUTION

```
[5]: def bmi(height,weight):  
      bmi = weight/(height**2)  
      return(bmi)
```

```
[6]: # test your function  
      bmi(187,79)
```

```
[6]: 0.0022591438130915953
```