### Code Challenge -1

- Using the all following items once each, set a correct boolean expression that returns `write me`. Use the `print()` function to display the result.

```
0
and
not
"write me"
```

```
print(not 0 and "write me")
```

```
write me
```

### Code Challenge-2

Write a program that calculates body mass index from **height** and **weight** variables.

Body mass index : Weight / Height(m) * Height(m)

```
height=float(input("Enter your height (example: 1.85):"))
weight=int(input("Enter your weight (example: 75):"))

print("Body mass index:",weight / (height ** 2))
```

### Code Challenge-3

With your $ 200, How many pieces of material can you get for $ 11 each? How much money do you have left after buying?

```
totalMoney = 200
materialPrice = 11
piece = 200 // 11
remainingMoney = totalMoney % piece
print("With your ${}, {} pieces of material you can get for ${} each.
The remaining money is ${}".format(totalMoney, piece, materialPrice,
remainingMoney))
```

### Code Challenge-4

Do not run the code, try to figure out in your mind.

What will be the output of the following syntax :

```python print(True and False and (not True and False) and not (True or False))

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

### Problem 5

Do not run the code, try to figure out in your mind.

What will be the output of the following syntax :

```
print(True and False and not "False" and None and ("None" or None))
```
```

```
print(True and False and not "False" and None and ("None" or None))
```

### Code Challenge-6

Do not run the code, try to figure out in your mind.

What will be the output of the following syntax :

```
print("clarusway" and 0 and not "" and False and (" " or None))
```

```
print("clarusway" and 0 and not "" and False and (" " or None))
```

### Code Challenge-7

Ask the user for two numbers and assign these numbers to variables and replace the values of these variables with each other.

```
a = 2
b = 5

print("Variables Before Replacing\na= {} b= {}".format(a, b))

a, b = b, a

print("Variables After Replacing\na= {} b= {}".format(a, b))
```