### Exercise: Python Variables

1. Create a variable called break and assign it a value 5. See what happens and find out the reason behind the behavior that you see.

2. Create two variables. One to store your birth year and another one to store current year. Now calculate your age using these two variables

3. Store your first, middle and last name in three different variables and then print your full name using these variables

4. Answer which of these are invalid variable names:

\_nation

1record

record1

record\_one

record-one

record^one

continue

# Exercise Numbers

# 1. You have a football field that is 92 meter long and 48.8 meter wide. Find out total

# area using python and print it

length=92

width=48.8

area=length\*width

print("area of football field:",area) # Ans: 4489.599999999999

# 2. You bought 9 packets of potato chips from a store. Each packet costs 1.49 dollar

# and you gave shopkeeper 20 dollar.

# Find out using python, how many dollars is the shopkeeper going to give you back?

num\_packets=9

cost\_per\_packet=1.49

total\_cost=num\_packets\*cost\_per\_packet

money\_paid=20

cash\_back=money\_paid-total\_cost

print("Cash back:",cash\_back) # Ans: 6.59

# 3. You want to replace tiles in your bathroom which is exactly square and 5.5 feet

# is its length. If tiles cost 500 rs per square feet, how much will be the total

# cost to replace all tiles. Calculate and print the cost using python

# Hint: Use power operator (\*\*) to find area of a square

length=5.5

area=length\*\*2 # area of square is length power 2

cost=area\*500

print("total cost for bathroom tiles replacement:",cost) # Ans: 15125.0

# 4. Print binary representation of number 17

num=17

print('Binary of number 17 is:',format(num,'b')) # Ans: 10001