**Training Report Day-3**

**8 June 2024**

**Sets in Python:**

Sets are used to store multiple items in a single variable.

Set is one of 4 built-in data types in Python used to store collections of data, the other 3 are List, Tuple, and Dictionary, all with different qualities and usage.

# question 1

prime = {2,3,5,7,11,13,17,19,23}

print(prime)

# question 2

prime.add(7)

print(prime)

# question 3

prime.remove(3)

print(prime)

# question 4

a = {2,3,5,7,11}

print(prime.issubset(a))

# question 5

b = {7,11,13}

prime. union(b)

print(prime)

# question 6

fs = frozenset(prime)

print(fs)

# question 7

c = {1,4,9}

print(prime.intersection(c))

# question 8

print(prime.clear())

# question 9

fruits =  { 'apple', 'banana', 'orange' }

myfruits = {'watermelon','avacado','orange'}

print(fruits.intersection(myfruits))

# question 10

squares = {x\*\*2 for x in range(1, 11)}

print(squares)