

# 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)
```