

## Assignment 6

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1. Practice all the examples for List, Tuple, Set and Dictionaries. provided in the attached pdf and submit the notebook.
2. Write a Python program to read the admission number and names of 10 students from the keyboard. Create a dictionary of these admission number and names and then display them on the screen

### Question 1

*#List Examples*

```
a=[1,2,3,4]
```

```
print(type(a))
```

```
a.append('varzil')  
print(a)
```

```
[1, 2, 3, 4, 'varzil']
```

```
mylist = ["apple", "banana", "cherry"]  
mylist[1:3] = ["watermelon"]  
print(mylist)
```

```
['apple', 'watermelon']
```

```
mylist = ["apple", "banana", "cherry"]  
i = 0  
while i < len(mylist):  
    print(mylist[i])  
    i = i + 1
```

```
apple  
banana  
cherry
```

```
a.insert(1,'vatsal')  
print(a)  
mylist = ["apple", "banana", "cherry"]  
mylist.insert(2, "watermelon")  
print(mylist)
```

```

[1, 'vatsal', 2, 3, 4, 'varzil']
['apple', 'banana', 'watermelon', 'cherry']

mylist = ["apple", "banana", "cherry"]
morefruits = ["mango", "pineapple", "papaya"]
mylist.extend(morefruits)
print(mylist)

['apple', 'banana', 'cherry', 'mango', 'pineapple', 'papaya']

mylist = ["apple", "banana", "cherry"]
for x in mylist:
    print(x)

apple
banana
cherry

# Tuple

b=(1,2,3,4)

print(type(b))
mytuple = ("apple", "banana", "cherry")
print(mytuple[1])

<class 'tuple'>
banana

mylist.append("orange")
print(mylist)

['apple', 'banana', 'cherry', 'orange']

b.count(3)

print(b)

(1, 2, 3, 4)

# Dictionary
myset = {"apple", "banana", "cherry"}
tropical = {"pineapple", "mango", "papaya"}

```

```

myset.update(tropical)
print(myset)

{'pineapple', 'apple', 'banana', 'cherry', 'mango', 'papaya'}


c={
    'three':3,
    'four':4
}

myset = {"apple", "banana", "cherry"}
myset.remove("banana")
print(myset)

{'cherry', 'apple'}

myset = {"apple", "banana", "cherry"}
myset.discard("banana")
print(myset)

{'cherry', 'apple'}

print(type(c))

<class 'dict'>

c.get(1)
print(c.keys())

dict_keys(['three', 'four'])

car ={
    "brand":"Ford","model":"Mustang",  "year":1964
}
x =car.keys()
print(x) #before thechange
car["color"] = "white"
print(x) #after thechange

dict_keys(['brand', 'model', 'year'])
dict_keys(['brand', 'model', 'year', 'color'])

thisdict ={
    "brand":"Ford","model":"Mustang",  "year":1964
}
print(thisdict)
print(thisdict["brand"])

{'brand': 'Ford', 'model': 'Mustang', 'year': 1964}
Ford

```

## Question 2

```
My_dict={}
for i in range(1,11):
    Ad_No=int(input("Enter admission number "))
    Name=input("Enter name ")
    My_dict[Ad_No]=Name
    print()
```

```
for keys,values in My_dict.items():
    print(keys)
    print(values)
    print()
```

```
Enter admission number 1001
Enter name Varzil
```

```
Enter admission number 1002
Enter name ScoobyDoo
```

```
Enter admission number 1003
Enter name DalaiLama
```

```
Enter admission number 1004
Enter name chandra
```

```
Enter admission number 1005
Enter name suraj
```

```
Enter admission number 1006
Enter name This is patriarchal society
```

```
Enter admission number 1007
Enter name mary
```

```
Enter admission number 1008
Enter name yashvi
```

```
Enter admission number 1009
Enter name koini
```

```
Enter admission number 1010
Enter name ho gya
```

```
1001
Varzil
1002
ScoobyDoo
1003
```

DalaiLama

1004

chandra

1005

suraj

1006

This is patriarchal society

1007

mary

1008

yashvi

1009

koini

1010

ho gya