

## Assignment - 17 Set

1. Write a python program to store all the programming languages known to you using Set.

```
s1={"c","c++","python0","sql"}  
print(s1)
```

2. Write a python program to store your own information {name, age, gender, so on..}

```
s1=set()  
for x in range(5):  
    s=eval(input("enter th value"))  
    s1.add(s)  
print(s1)
```

3. Write a python script to get the data type of a Set.

```
s1={1,3,4.5,3+5j,True}  
print(s1,".....",type(s1))
```

4. Write a Python script to find if “Python” is present in the set thisset = {"Java", "Python", "Django"}

```
thisset = {"Java","python","Django"}  
print("python" in thisset)
```

5. Write a python program to add items from another set to the current set. thisset = {"Java", "Python", "SQL"} secondset= {"C", "Cpp", "NoSQL"}

```
anotherstet = {"Java", "Python", "SQL"}  
currentset= {"C", "Cpp", "NoSQL"}  
currentset.update(anotherstet)  
print(currentset)
```

6. Write a python program to add elements of list to a set

```
thisset = {"Python", "Django", "JavaScript"}  
mylist = ["Java", "C"]
```

ans---

```
thisset = {"Python", "Django", "JavaScript"}  
mylist = ["Java", "C"]  
thisset.update(mylist)  
print(thisset)
```

7. Write a python program to remove last item of the given set

```
thisset = {"Python", "Django", "JavaScript", "SQL"}
```

```
thisset={"Python","Django","JavaScript","SQL"}
print(thisset)
thisset.discard("SQL")
print(thisset)
```

8. Write a python program to delete the set completely.

```
thisset = {"Python", "Django", "JavaScript"}
thisset.clear()
print(thisset)
```

9. Write a python program to loop through the set and print values

```
thisset = {"Python", "Django", "JavaScript", "SQL"}
```

```
thisset = {"Python", "Django", "JavaScript", "SQL"}
for x in thisset:
    print(x)
```

10. Write a python program to find the maximum and minimum value in a set.

```
thisset = {"Python", "Django", "JavaScript", "SQL"}
l1=max(thisset)
l2=min(thisset)
print("maximum value and minimum value : ",l1,l2)
```