

Assignment - 17 Set

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

```
set={"Python","C","Java","JavaScript","php"}  
print(set,type(set))
```

Output:-

```
{'JavaScript', 'Java', 'C', 'Python', 'php'} <class 'set'>
```

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

```
set={"Tarun",20,"Male"}  
print(set,type(set))
```

Output:-

```
{'Tarun', 20, 'Male'} <class 'set'>
```

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

```
s1=set()  
print(type(s1))
```

Output:-

```
<class 'set'>
```

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

```
s1={"Java", "Python", "Django"}  
print("Python" in s1)
```

Output:-

```
True
```

5. Write a python program to add items from another set to the current set.

```
thisset = {"Java", "Python", "SQL"} secondset= {"C", "Cpp", "NoSQL"}
```

```
thisset={"Java", "Python", "SQL"}
```

```
secondset={"C", "Cpp", "NoSQL"}
```

```
for e in secondset:
```

```
    thisset.add(e)
```

```
print(thisset)
```

Output:-

```
{'Cpp', 'SQL', 'NoSQL', 'Python', 'C', 'Java'}
```

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

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

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

```
mylist=["Java", "C"]
```

```
for e in mylist:
```

```
    thisset.add(e)
```

```
print(thisset)
```

Output:-

```
{'Java', 'Django', 'Python', 'JavaScript', 'C'}
```

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

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

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

```
thisset.remove("SQL")
```

```
print(thisset)
```

Output:-

```
{'JavaScript', 'Python', 'Django'}
```

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

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

```
thisset.clear()
```

```
print(thisset)
```

Output:-

```
set()
```

9. Write a python program to loop through the set and print values thisset = {"Python", "Django", "JavaScript", "SQL"}

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

```
for e in thisset:
```

```
    print(e)
```

Output:-

```
JavaScript
```

```
Django
```

```
SQL
```

```
Python
```

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

```
s1={1, 2, 3, 4, 5, 6}
```

```
print(max(s1),min(s1))
```

Output:-

```
6 1
```