Practical No.1

Generic Class

```
C:\Users\Shirke\Downloads>java BoundedGen
Class Type:class java.lang.String
Value isSiddhi
Class Type:class java.lang.Integer
Value is10
Class Type:class java.lang.Double
Value is10.33
```

Generic Method

```
C:\Users\Shirke\Desktop>java BoundedGen
Class Type:class java.lang.String class java.lang.String
Class Type:class java.lang.Integer class java.lang.Integer
Value is: Siddhi 1
Class Type:class java.lang.Integer class java.lang.Integer
Class Type:class java.lang.String class java.lang.String
Value is: 10 Sneha
```

Wildcards

```
C:\Users\Shirke\Desktop>java WildCardDemo
List 1 Total Sum: 21.0
List 2 Total Sum: 67.32
```

Practical No. 2

List

```
C:\Users\Shirke\Desktop>java ALDemo
Forach Loop Demo
Array List Items are:
Apple
Orange
Mango
Grape
Blueberry
```

List Iterator

```
C:\Users\Shirke\Desktop>java LIexample
Elements are:
0
1
2
3
4
5
6
7
8
9
10
Reverse Direction
10
9
8
7
6
5
4
3
2
1
0
```

Practical No.3

Set

```
C:\Users\Shirke\Desktop>java setdemo1
Iterator
Set Elements:

shraddha
siddhi
arya
sneha

List Iterator

shraddha
siddhi
arya
sneha

reverse direction

sneha
arya
siddhi
shraddha
```

Set Operations:

```
C:\Users\Shirke\Desktop>java SetDemo
Set2:[6, 7, 8, 9, 10]
Set2: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
Remove: Size :10
Set2: [1, 2, 4, 5, 7, 8, 9]
Insert Item to be Searched: 5
Item found
```

Practical No. 4

Map Interface:

```
C:\Users\Shirke\Desktop>java HashMapDemo
 1  : Arya
 2  : Siddhi
 3  : Sneha
 4  : Sakshi
Enter Key to get the value:
3
Value at index 3 is: Sneha
Enter Key to check if it exist or not:
5
Key Not Found in the map
Enter Key to be deleted from the map:
4
New Map: {1=Arya, 2=Siddhi, 3=Sneha}
```

Practical No. 5

Lambda Expression

```
C:\Users\Shirke\Desktop>java LEE
Hello World
```

Single Parameter

```
C:\Users\Shirke\Desktop>java L1para
1000
```

Multiple Parameter

```
C:\Users\Shirke\Desktop>java LambdaExpressionExample
Addition: 30
Addition: 31
```

Fahrenheit To Celcius
Kilometers to Miles

```
C:\Users\Shirke\Desktop>java Lambda
Fahrenheit To Celsius 26.880000000000003
Kilometers To Miles:1.24274238
```