Lab-7

```
class container<T1, T2> {
    T1 a;
    T2 b;
    void display(T1 a, T2 b){
        this.a = a;
        this.b = b;
        System.out.println(this.a + " is " + this.b + "
                years old.");
    }
}
class Generics {
    public static void main(String[] args) {
        container<String, String> c1 = new container<>();
        container<String, Integer> c2 = new container<>();
        c1.display("Nikhil", "Lakshmi");
        c2.display("Nikhil", 18);
    }
}
```

Lab - 8:

```
import java.util.*;
class father {
Scanner in = new Scanner(System.in);
int fage;
father() throws ArithmeticException {
System.out.println("Enter father's age");
fage = in.nextInt();

try {
 if (fage < 0) {
  throw new ArithmeticException();

 }
}
catch (ArithmeticException e) {
 System.out.println("age of the father is
        less than 0");

 }
}
}
class son extends father {
int sage;
son() {
```

```
System.out.println("Enter son age");
  sage = inputInt();
try
 if (sage >= fage){
  throw new ArithmeticException();
 }
}
catch (ArithmeticException e){
 System.out.println("Son age is more than
                    father age");
  }
 }
}
class ExceptionMain{
public static void main(String[] args){
 {
  Son s = new Son();
 }
}
```