Week-10

```
class gen<T, V>{
 T ob1;
  V ob2;

 gen(T a, T b){
   ob1 = a;
   ob2 = b;
 }
 void showtypes(){
 System.out.println("Type of T : "+ob1.getClass().getName());
System.out.println("Type of V : "+ob2.getClass().getName());
}
T getob1(){
  return ob1;
 }
 V getob2(){
   return ob2;
 }
}
 class genMain{
 public static void main(String ss[]){
 gen<Integer, String> i=new gen
                          gen<Integer, String>(75, "bms");
 i.showtypes();
int v = i.getob1();
System.out.println("value "+v);
```

```
String str = i.getobj2();
System.out.println("value" + str);
}
}

import java.util.Scanner;
class WrongAge extends Exception{
  int age;
  WrongAge(int x){
    age = x;
  }
  public String toString(){
   return "Age of son" + age + "is incorrect";
  }
}
class father{
  int a;
 father(int x){
   a=x;
 }
}

class son extends father{
  int age;
 son(int fage, int sage){
    super(fage);
    age = sage; }
```

```
void compute() throws WrongAge {
    if (age >= a) {
        throw new WrongAge(age);
    } else {
        System.out.println("Ages are correct");
System.out.println("Father's age: " + a + "\t" +
                   "Son's age" + age);
    }
  }
}

class ExceptionsMain {
    public static void main(String args[])
    Scanner s = new Scanner(System.in);
System.out.println("Enter Father's age:");
 int f = s.nextInt();
System.out.println("Enter Son's age:");
 int so = s.nextInt();
 Son ss = new Son(f, so);
  try {
     ss.compute();
  }
  catch (WrongAge e) {
     System.out.println(e);
  }
 }
}
```