Generics — Demo.

```
import java.util.*)
class  Gener <T, U, V>
{

      T usn;
      U attendance;
      V cgpa;
      Gener ( T n, U a, V c)
      {      usn = n; attendance = a; cgpa = c; }
      void display ()
      {    System.out.println ("= = = = = =");
System.out.println ("USN of student :" +usn);
System.out.println ("Attendance = '+ attendance);
System.out.println (" CGPA =: "+ cgpa);
      }

}

class GenDemo
{ public static void main (String args[])
      {    Scanner in = new Scanner (System.in);
            String USN;
            int attd; double cg;
System.out.println ("Enter the USN of the student:");
      USN = in.next ();
System.out.println (" Enter the attendance % of the
student:");
      attd = in.nextInt ();
```

```java
System.out.println("Enter the CGPA of the student:");
cg = in.nextDouble();
Gener <String, Integer, Double> ob =    new
Gener <String, Integer, Double> (USN, attd, cg);
ob.display();
}
}.
```

Exception:- Father & Son.

```java
import java.util.*;
class AgeException  extends Exception
{
  public String toString()
  { return "Age of son and father cannot be
less  than 0 as well Age of the son cannot be
more  than age of father or illegal marraige";
}
}
class Father
{ int fage;
    Scanner  in = new Scanner (System.in);
    Father()
    { System.out.println("Enter the father's age");
      fage = in.nextInt();
    }
}
}
```

```java
class Son intends Father
{
    int sage;
    Scanner in = new Scanner (System.in);
    Son ()
    {
        System.out.println(" Enter the son's age");
        sage = in.nextInt();
    }
}

class FSEx
{
    static void WrongAge (int f, int s) throws
                                    AgeException
    {
        if (f<0 || s<0 || f-s<21)
            throw new AgeException();
        System.out.println(" No logical or legal
        problems arised");
    }
    public static void main (String args[])
    {
        Son ob = new Son();
        try
        {
            WrongAge (ob.Fage, ob.sage);
        }
        catch (AgeException e)
        { System.out.println(" Exception arised:"+
            e); }
    }
}
```