```
Write a program to demonstrate generics with multiple object parameters.
```

```
import java .90. #;
import java .larg. #;
import java . util . #;

class gen < T >

T ob;

sen (T o)

sob=o;
```

F getob()

Freturn ob;

Void showtype()

System.out.println("Type of T ic" + ob.get Class ().get Name());

class generic

public void main (string [] anys)

d string n;

Scannel Se = new Scenner (System:in);

System out printly ("Enter the Integer number to be Dieplayed using the generic systle");

n=sc.nept();

gn «Integer» obl = new gen «Integer» (Integer parseInt(1));
obl.showtype();

```
ant val = obl.getob();
 System out · println ("Value is : " + val);
   System out println ();
 System out printle ( "Enter the string to Be Displayed Using
        givenic sytle ");
             n=sc.next();
    gen < string > ob2 = new gen < String > (n);
   ob2. showhype ();
      String x = ob2 ogctob();
          Systemout. println ("Value : " + x);
         System.out.println();
   System out printle ("Entel the Double Number to Be Displayed
       Using generic style ");
            n=sc.next();
        gen < Double > Ob3 = new gen < Double > (Double, parse Dodble
          obs. showhype ();
       double ans = ob3. getob();
     System out . println ("Value: " + ans);
       OUTPUT :-
Enter the integer Number to Be Displayed Using generic Sytle
 Type of T is java lay . Integel
  value ic: 10
Enter the Double Namber to Be Displayed using generic style
   3.14216
 Type of T is jara-lay. Double
    Value :s : 3.14216
```

Write a program that demonstrates handling expections in inheritance tree. Create a

base class called "Father" and desired class "Son" which extends the base dass.

In Father class, implement a construct which takes the age and throws the expectional Wrongfgel) when the input age < 0. In son class, implement a constructor that cases both father and soo's age throws an expection if son's age is > = father's age.

import jana obil . 4 ;

class Wrong Age extends Exception &

int detail;

Wrong Age (int A) {

detail = a;

public string to String () }

ntom "entel correct age "t detail" is invalid";

,

class father &

Poblic ent age;

Scanner in = new Scenner (System.in);

father () throws wrong Age &

System out print ("Bitel Father's age :");

age = in . nextint ();

ef (agr < 0)

throws new WrongAge (age);

```
class son extends father of
Scannel in = new Scannel (System. In);
    int fage;
   Son (tather f) throws wrong Age (
    this tage of age;
System.out print ("Enter son's age: ");
    this age = in rext(nt();
      if (this age <0)
     throw new wrong Age (age);
      if (this age > f age)
    throw new wrong Age (age);
  class ages of
  poblic Static void main (String angs (7)) ;
     try &
        father f = new father ();
          Son s= new son(f);
 catch (Exception e) {
    Systemout printla (e);
```

OUTPUT :-Enter the father's age: 40 Entel the son's age : 56 enter correct age 56 is invalid.