Week 10

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1BM19CS085

Lab program 7

```
class A<T, Y>
{   T x;
    Y w;
    A(T x, Y w)
    {   this.x = x;
        this.w = w;
    }
    void disp() {
        System.out.println("Variable1 value : " + x);
        System.out.println("Variable type : " + x.getClass().getName());
        System.out.println("variable 2 value : " + w);
        System.out.println("Variable 2 type : " + w.getClass().getName());
    }
}
public class getMain{
    public static void main(String arg[])
    {
        A<Integer, String> ob1 = new A<Integer, String>(10, "ABC");
        ob1.disp();
        A<Boolean, String> ob2 = new A<Boolean, String>(true, "MVJ");
        ob2.disp();
    }
}
```

LAB 8

```
import java.util.Scanner;
class WrongAge extends Exception
{
    String err_msg;
    WrongAge(String str)
    {   err_msg = str;
    }
    public String toString()
   {  return ("Exception Occured : "+ err_msg);
   }

 }
class Father
{
    int fage;
}
class Son extends Father {
    int sage;
    Son(int son_age, int f_age)
    {  this.sage = son_age;
       super.fage = f_age;

       try
       {     if( this.sage >= super.fage )
          {  throw new WrongAge("Wrong age of Son!!");
          }
       }
       catch
       {   System.out.println(exp);
       }
   }
}
```

```
public class exMain5
{
    public static void main (String arg[])
    {
        int fage, sage;
        Scanner sc = new Scanner (System.in);
        System.out.println ("Enter Father's age :");
        fage = sc.nextInt();
        System.out.println ("Enter Son's age :");
        sage = sc.nextInt();
        Father f = new Father();
        Son s = new Son (sage, fage);
    }
}
```