Date :- 24 November 2020 , Name :- Hritik Singh , USN :- 1 BM 19 CS063.

OOJ Lab Exercises:-

Week -10 - Lab Program 8 :-

Input of the program :-

```
import java.util.Scanner;
class My Exception extends Exception
{
        private int detail;
        My_Exception (int a)
        {
                detail = a;
        }
  · public String to String ()
        {
                return " age Exception[ " + detail + " ] ";
        }
}
class Father
{
        int father age;
        String father name;
}
class Son extends Father
{
        int Sage;
        String Sname,
        Son (String name, int age, int fatherage, String fathernam)
                throws My Exception
        {
                System.out.println (" Son Name : " + name);
                System.out.println (" Son age : " + age);
                System.out.println (" Father's age " + fatherage);
                System.out.println (" Father's name :" + fathernam)
```

```java
        if (age >= fatherage)
        throw   new   My Exception (fatherage)
        System.out.println ("Constructor exit ");
    }

}

class  Exception Demo
{
        public  static  void  main (String  args [])
        {
                String  a;
                int     b;
                int     c;
                String  d;
                Scanner sc = new  Scanner (System.in);
                System.out.println ("Enter the name  of the  son");
                a = sc.next ();
                System.out.println ("Enter the age of the son");
                b = sc.next Int ();
                System.out.println (" Enter the Age of the father");
                c = sc.next Int ();
                System.out.println (" Enter the name of the father");

                {
                    try
                    {
                        Son   s = new  Son (a, b, c, d);
                    }

                    catch ( My Exception e)
                    {
                        System.out.println (" Caught " + e);
                    }
                }
        }
}
```

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<u>Output of the above program is :-</u>

Enter the name of the son
Hritik
Enter the age of the son
30
Enter the age of the father
30
Enter the Name of the Father
T

Son Name : Hritik
Son age : 30
Father's age : 30
Father's name : T
Caught age Exception [30].

<u>Another Output for the same program with different inputs :-</u>

Enter the name of the son
Hritik
Enter the age of the son
30
Enter the age of the father
60
Enter the name of the father
T

Son Name : Hritik
Son age : 30
Father age : 60
Father's name : T
Constructor exit.