Week-10

Modified Lab Program-8.

→

```
import java.util.Scanner;
class WrongAge extends Exception{
int age;
WrongAge(int x){
 age=x;
}
public String toString(){
return "Age of Father="+age+" is entered incorrectly";
}
}
class WrongAgeSon extends Exception{
 int age;
WrongAgeSon(int x){
 age=x;
}
public String toString(){
 return "Age of Son="+age+" is entered incorrectly";
}}
```

```
class Father {
    int a;
    Father (int x){
        a=x;
    }
void check() throws WrongAge{
    if (a<0)
    throw new WrongAge(a);
}}}
class Son extends Father {
    int age;
    Son (int fage, int sage) {
            super(fage);
        age = sage;
    }
    void compute() throws WrongAgeSon{
        if (age >=a) {
    throw new WrongAgeSon(age);
    }
```

```
else {
System.out.println("The ages are entered correctly");
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.check();
    try{
       ss.compute();
    }
    catch(WrongAgeSon e){
}} System.out.println(e);
```

```
        catch (WrongAge e) {
            System.out.println(e);
        }
    }
}
```