30/1/24

LAB - 7

Exception Handling

```
import java.util.*;
class Wrongage extends Exception{
        public Wrongage (String s){
                super(s);
        }}

class Father{
        int fage;
        Father () throws Wrongage{
                System.out.println("Enter father's age:");
                Scanner s = new Scanner(System.in);
                fage = s.nextInt();
                if(fage<0){
                        throw new Wrongage("Age cannot be
                                negative");
                }
        }
        void display(){
                System.out.println("Father's age is:"+fage);
        }
}
class Son extends Father{
        int sage;
        Son() throws Wrongage{
                System.out.println("Enter son's age");
                Scanner s = new Scanner(System.in);
                sage = s.nextInt();
```

```
if(sage >= fage){
    throw new Wrongage("Son's age cannot be
        greater than father's age");
}
else if(sage < 0){
    throw new Wrongage("Age cannot be
        negative");
    }
}
void display(){
    System.out.println("Son's age is:" + sage);
    }
}
class Spmain{
    public static void main(String args[]){
        try{
            Son s = new Son();
            s.display();
            s.sdisplay();
        }
        catch(Wrongage e){
            System.out.println(e);
        }
        System.out.println("NAME: Shivaraj K Pujari");
        System.out.println("USN: 1BM22CS254");
    }
}
```

Output : Enter father's age
50
Enter son's age
60
Wrongage : Son's age cannot be greater than father's age

Enter father's age
90
Enter son's age
50
Father's age is: 90
Son's age is: 50

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