

## **WEEK 10 OUTPUT LAB PROGRAM 8**

```
import java.util.*;

class WrongAge extends Exception
{

    public String toString()
    {
        return "Invalid Age Exception";
    }
}

class Father
{
    int father_age;

    Father(int a) throws WrongAge
    {

        Scanner sc=new Scanner(System.in);

        System.out.println("Please enter the Father's age:");

        father_age=sc.nextInt();
```

```
if(father_age<=a || father_age<0 || a<0)
```

```
{
```

```
throw new WrongAge();
```

```
}
```

```
}
```

```
}
```

```
class Son extends Father
```

```
{
```

```
int son_age;
```

```
Son(int a) throws WrongAge
```

```
{
```

```
super(a);
```

```
son_age=a;
```

```
}
```

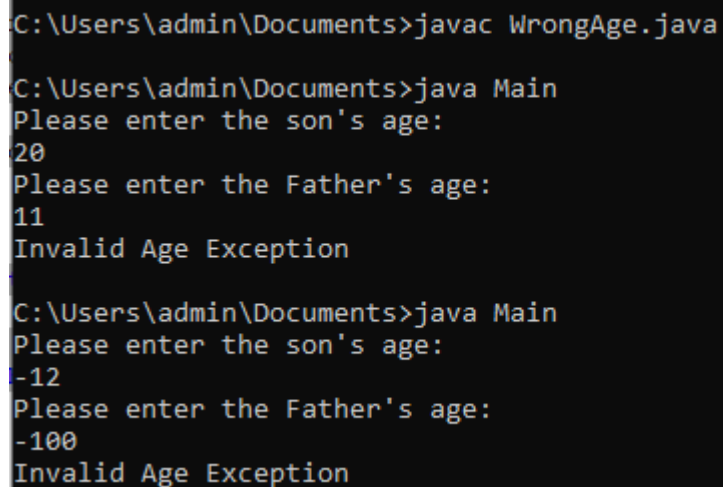
```
}
```

```
class Main
```

```
{
```

```
public static void main(String Args[])
```

```
{  
    System.out.println("Please enter the son's age:");  
    try  
    {  
        Son s1=new Son(new Scanner(System.in).nextInt());  
    }  
    catch(WrongAge e)  
    {  
        System.out.println(e);  
    }  
}  
}
```



```
C:\Users\admin\Documents>javac WrongAge.java  
C:\Users\admin\Documents>java Main  
Please enter the son's age:  
20  
Please enter the Father's age:  
11  
Invalid Age Exception  
C:\Users\admin\Documents>java Main  
Please enter the son's age:  
-12  
Please enter the Father's age:  
-100  
Invalid Age Exception
```