Week-7

```java
import java.util.Scanner;
class WrongAge extends Exception {
    WrongAge (String error) {
        System.out.println (error);
    }
}

class Father {
    int age;
    Father (int age) throws WrongAge {
        if (age <= 0)
            throw new WrongAge ("Father's age cannot be negative");
        this.age = age;
    }
}

class Son extends Father {
    int age;
    Son (int age, int s_age) throws WrongAge {
        super (age);
        if (s_age >= age)
            throw new WrongAge (" Son's age cannot be greater than Father's age");
        this.age = s_age;
    }
}

class Main {
    public static void main (String args[]) {
        Scanner sc = new Scanner (System.in);
        try {
            System.out.println ("Enter the Father's age");
```

```java
int f-age = sc.nextInt();
System.out.println(" Enter the son's age");
int S-age = sc.NextInt();
Son a = new Son(f-age, s-age);
System.out.println("Father's age:" + f-age);
System.out.println("Son's age" + s-age);
}
catch (WrongAge e) {
System.out.println("Wrong Age entered "); }
catch (Exception ee) {
System.out.println("Unexpected error: " + ee); }
}
}
```

OUTPUT-1

```
Enter the Father's Age
    45
Enter the Son's Age
    15

Father's age - 45
Son's Age - 15
```

OUTPUT-2

```
Enter Father's age
    -21

Father's age cannot be negative
```

30.01.24