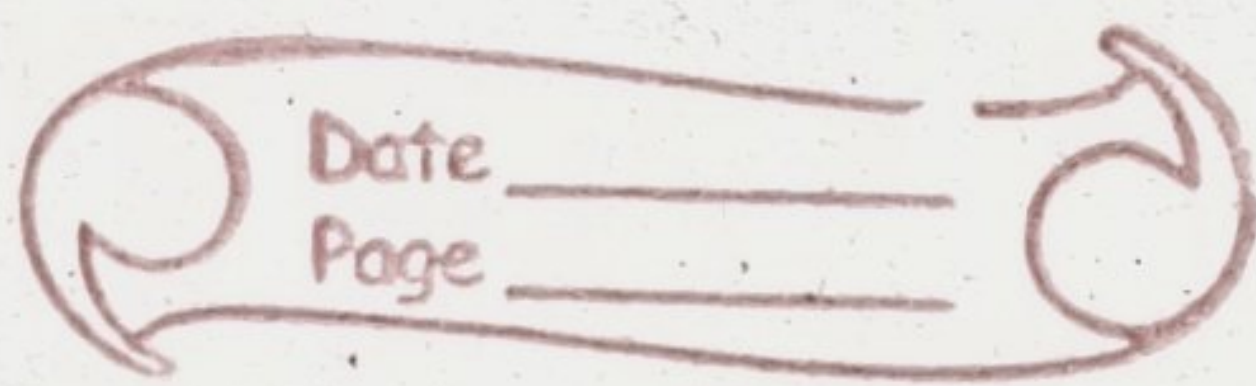


30/1/24

## LAB - I



### 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: 1BM22C3259");
```

```
}
```



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

NAME : shivaraj . K . Pujari

USN : IBM22CS259

30/1/2024