Lab 7

Write A program for handling of exceptions ----
------- if son's age is >= father's age.

```java
class WrongAge extends Exception {
    WrongAge (String msg) {
        super (msg);
    }
}

import java.util.Scanner;
class InputScanner {
    Scanner sc;
    InputScanner () {
        sc = new Scanner (System.in);
    }
}

class Father extends InputScanner {
    int fatherAge;
    Father() throws WrongAge {
        S.o.p ("enter father's age: ");
        fatherAge = sc.nextInt ();
        if (fatherAge < 0) {
            throw new WrongAge ("Age cannot be
                                 negative");
        }
    }
    void display () {
        S.o.p ("father's age:" + fatherAge);
    }
}

class Son extends father {
    int sonAge;
    son () throws WrongAge {
        S.o.p ("Enter Son's age:");
        sonAge = sc.nextInt ();
```

```
            if (sonAge >= fatherAge) {
                throw new WrongAge ("Son's Age cannot
                        be greater then father's age");
            }
        else if (sonAge < 0) {
                throw new WrongAge (" Age cannot be negal");
            }
        }

        void display () {
            super. display ();
            s.o.p ("Son's Age : " + sonAge);
        }

        public static void main ( String args[] ) {
            try {
                father son = new son();
                son. desplay ();
            }
            catch ( WrongAge e) {
                s.o.p (e);
            }
        }
    }
```

O/P   Enter father's age :
      -12
Wrong Age : Age cannot be negative
Enter father's age :
25
Enter son's age :
45
Wrong Age : Son's age cannot be greater then fath.age

enter father's age !
45
enter son's age :
22
father's age : 45
son's age : 22