Gen_demo.java - Notepad

File Edit Format View Help

```
class Demo<T, V>
{
    T obj1;
    V obj2;

    public Demo(T obj1, V obj2) {
        this.obj1 = obj1;
        this.obj2 = obj2;
    }

    void show_types()
    {
        System.out.println("Type of T:"+obj1.getClass().getName());
        System.out.println("Type of V:"+obj2.getClass().getName());
    }
}

class Player
{
    String name;

    public Player(String name) {
        this.name = name;
    }
}
public class Gen_demo {

    public static void main(String[] args) {
            Demo<Integer, String> d1 = new Demo<Integer, String>(21, "Faster");
            d1.show_types();
        System.out.println();

            Demo<Double, Boolean> d2 = new Demo<Double, Boolean>(23.45, true);
            d2.show_types();
        System.out.println();

            Player p = new Player("John");

        Demo<Player, Integer> d3 = new Demo<Player, Integer>(p, 45);
        d3.show_types();
    }
}
```

MyWindowAdapter.class	17-12-2020 17:46	CLASS File	1 KB
NewThread.class	15-12-2020 09:19	CLASS File	2 KB

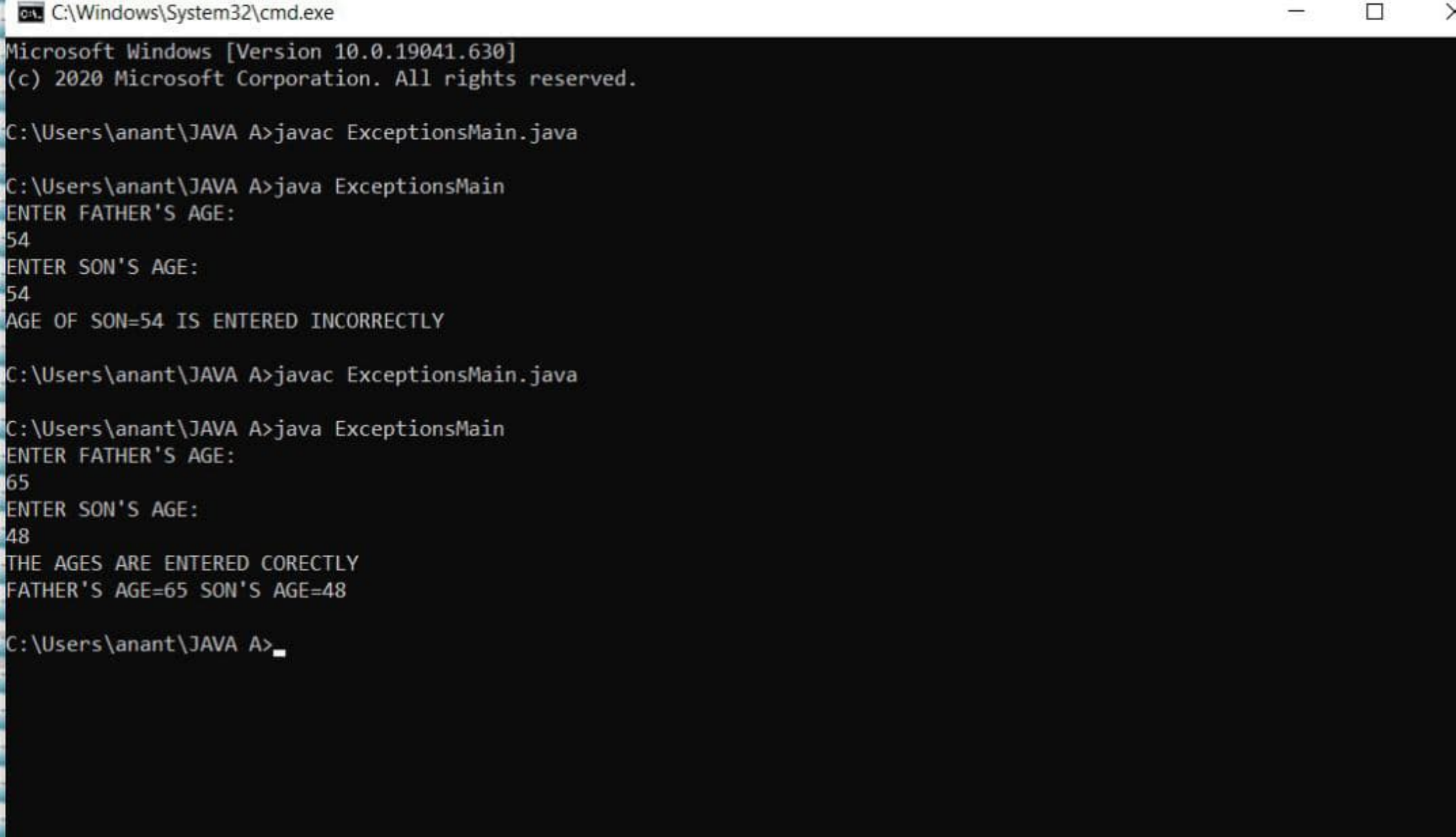
C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19041.630]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\anant\JAVA A>javac Gen_demo.java

C:\Users\anant\JAVA A>java Gen_demo
Type of T:java.lang.Integer
Type of V:java.lang.String

Type of T:java.lang.Double
Type of V:java.lang.Boolean

Type of T:Player
Type of V:java.lang.Integer

C:\Users\anant\JAVA A>
```

```
import java.util.Scanner;

class WrongAge extends Exception {
    int age;

    WrongAge(int x) {
        age = x;
    }

    public String toString() {
        return "AGE OF SON=" + age + " IS ENTERED INCORRECTLY";
    }
}

class father {
    int a;

    father(int x) {
        a = x;
    }
}

class son extends father {
    int age;

    son(int fage, int sage) {
        super(fage);
        age = sage;
    }

    void compute() throws WrongAge {
        if (age >= a) {
            throw new WrongAge(age);
        } else {
            System.out.println("THE AGES ARE ENTERED CORECTLY");
            System.out.println("FATHER'S AGE=" + a + "\t" + "SON'S AGE=" + age);
        }
    }

}

class ExceptionsMain {
```

File Edit Format View Help

```
class father {
    int a;

    father(int x) {
        a = x;
    }
}

class son extends father {
    int age;

    son(int fage, int sage) {
        super(fage);
        age = sage;
    }

    void compute() throws WrongAge {
        if (age >= a) {
            throw new WrongAge(age);
        } else {
            System.out.println("THE AGES ARE ENTERED CORECTLY");
            System.out.println("FATHER'S AGE=" + a + "\t" + "SON'S AGE=" + age);
        }
    }

}

class ExceptionsMain {
    public static void main(String args[]) {
        Scanner s = new Scanner(System.in);
        System.out.println("ENTER FATHER'S AGE:");
        int f = s.nextInt();
        System.out.println("ENTER SON'S AGE:");
        int so = s.nextInt();
        son ss = new son(f, so);
        try {
            ss.compute();
        } catch (WrongAge e) {
            System.out.println(e);
        }
    }
}
```


C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19041.630]
(c) 2020 Microsoft Corporation. All rights reserved.
C:\Users\anant\JAVA A>javac ExceptionsMain.java
C:\Users\anant\JAVA A>java ExceptionsMain
ENTER FATHER'S AGE:
54
ENTER SON'S AGE:
54
AGE OF SON=54 IS ENTERED INCORRECTLY
C:\Users\anant\JAVA A>javac ExceptionsMain.java
C:\Users\anant\JAVA A>java ExceptionsMain
ENTER FATHER'S AGE:
65
ENTER SON'S AGE:
48
THE AGES ARE ENTERED CORECTLY
FATHER'S AGE=65 SON'S AGE=48
C:\Users\anant\JAVA A>