

```
C:\java>javac ExceptionsMain
error: Class names, 'ExceptionsMain', a
1 error
```

```
C:\java>javac ExceptionsMain.java
```

```
C:\java>java ExceptionsMain
```

```
ENTER FATHER'S AGE:
```

```
53
```

```
ENTER SON'S AGE:
```

```
11
```

```
THE AGES ARE ENTERED CORECTLY
```

```
FATHER'S AGE=53 SON'S AGE=11
```

```
C:\java>java ExceptionsMain
```

```
ENTER FATHER'S AGE:
```

```
45
```

```
ENTER SON'S AGE:
```

```
78
```

```
AGE OF SON=78 IS ENTERED INCORRECTLY
```

```
C:\java>_
```


Lab 8

```
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
        correctly");

```

```

        System.out.print("Father's age = " + a + "
        Son's age = " + age);
    }
}

```

```

class ExceptionsMain
{

```

```

    public static void main(String args[])
    {

```

```

        Scanner s = new Scanner(System.in);

```

```

        System.out.print("Enter father's age : ");
        int f = s.nextInt();

```

```

        System.out.print("Enter son's age : ");
        int so = s.nextInt();

```

```

        son ss = new Son(f, so);

```

```

        try
        {

```

```

            ss.compute();
        }
    }
}

```


store
67

catch (Wrong Age e)

{

System.out.println(e);

}

}

}