```
class WrongAge extends Exception {
  String message;
  WrongAge(String message) {
    this.message = message;
  }
  public String toString() {
    return "WrongAge Exception: " + message;
}
class Father {
int fAge;
Father(int age) throws WrongAge {
    if (age < 0) {
      throw new WrongAge("Father's age cannot be negative!");
    }
    fAge = age;
  }
}
class Son extends Father {
  int sAge;
  Son(int fAge, int sAge) throws WrongAge {
    super(fAge);
    if (sAge < 0) {
      throw new WrongAge("Son's age cannot be negative!");
    if (sAge >= fAge) {
      throw new WrongAge("Son's age cannot be greater than or equal to Father's age!");
    }
    this.sAge = sAge;
  }
}
public class FatherSon {
  public static void main(String[] args) {
    try {
       Father father1 = new Father(40);
       Son son1 = new Son(40, 20);
      System.out.println("Father's age: " + father1.fAge + ", Son's age: " + son1.sAge);
       Father father2 = new Father(-5);
    }
    catch (WrongAge e) {
       System.out.println(e);
    }
    try {
```

```
Son son2 = new Son(35, 40);
}
catch (WrongAge e) {
    System.out.println(e);
}

try {
    Son son3 = new Son(50, -10);
}
catch (WrongAge e) {
    System.out.println(e);
}
}
```

```
D:\1BM23CS321>java FatherSon.java
Father's age: 40, Son's age: 20
WrongAge Exception: Father's age cannot be negative!
WrongAge Exception: Son's age cannot be greater than or equal to Father's age!
WrongAge Exception: Son's age cannot be negative!
```

// Tale Beogram - 7 a) that Merite a program that demonstrate handling of an enceptuous in inheritance tous. Create a hors class called " Falte and derived class " sou" webich enter the has class to father can class implement a constructor which takes the age and throws the enecption. labroughge() when input 'age (0, In ison's class, implement a constructor that was both father and rou's ogs and Hurrous an eneception if how's on >= fating 's age. dars hurangbege entrends Erxcepteien & g merrogi, huranglige (Hung menage) ? this, menage = menage; public Storing to Storing () ? Can ceptuois: "I merrog';

Class Faltrer & int PAge. Fatture ( int age) throws weary Age & if ( oge ( 0 ) } therew \* new Weary Age (" Father's agricannol The nightis"); 3. Page = age; Clars han onteen to Faltrey . (" Lou's Age is never") if (spage) = F Dage) & Horow sure were by Bar Fatter's this. 5 Age = 5 Age;

3 public class Fallow Son 3. Rublic Matricareid main (Abourg [] args) System , out . printle ("Faltier's Age:"+ Father falter 2 = new Falter (5); calh Catch ( wear g Age 'e) {

lytemend println (e); Catch ( wrong Age (2)

Applew . ond . puintle (0);

try +5 Catch ( wrong Age @) & System out printle ( @) Output: Father 's Age ? 40 Sou's Age: 20 Uerrang Age "re ception: Fattur 's age connect des negentie woong Age: Inceptuir: son is Age came les quater Men taltur is Del erraption: Son's Age connect