```
7. import java.util.Scanner
   class WrongAge extends Exception{
       WrongAge (String errorMessage) {
            super (errorMessage);
       }
   }

   class ParentAge extends Exception{
       ParentAge (String errorMessage) {
            super(error Message);
       }
   }

   class Father {
        int age;
        Father (int num) throws WrongAge {
            if (num < 0) {
                throw new WrongAge ("Age
                less than zero");
            }
            else {
                age = num;
            }
        }
        int fatherAge() {
            return age;
        }
   }
```

```java
        }
        else {
            this.age = num 2;
        }
    }
}

public class Exception1 {
    public static void main (String[]
    WrongAge, ParentAge {
        Son s1 = null;
        Son s2 = null;
        Son s3 = null;
        progBody ("case 1: ", s1, -10, 30);
        progBody ("case 2: ", s2, 10, 30);
        progBody ("case 3: ", s3, 45, 19);
    }

    static void progBody (String disp,
    f_age, int s_age)
    {
        System.out.println (disp);
        try {
            s2 = new Son(f_age, s_age);
        }
        catch (WrongAge errorText) {
            System.out.println (errorText);
        }
        catch (ParentAge     errorText) {
```

```
            System.out.println ("Son's age:
            s1.age);
            }
        }
    }
}
```

Algorithm:

Step 1: Start

Step 2: Create Son objects s1, s2 & s3.

Step 3: print the display text

Step 4: try s = new Son(f_age, s_age,

Step 5: if WrongAge exception is thrown,
the error message (if f_age < 0);

Step 6: if error message.

Step 6: If ParentAge exception is thrown
f_age < s_age), then print error

Step 7: Finally, if s != null, print s.fa
& s.age;

Step 8: Repeat the process for S2 & S3
the execution of progBody

Step 9: End

Output:

Case 1:

WrongAge: Age can't be less than zero

```
Case 1:
WrongAge: Age can't be les than zero
Case 2:
ParentAge: The son's age can't be greater than that of the father's
Case 3:
Father's age: 50
Son's age: 21
1BM22CS024 Agneya D A
PS C:\Users\bmsce\Desktop\1BM22CS024\Lab 7>
```