

19/2/21

1) Prog. 1 father, son Exception

class WrongAge extends Exception {

public WrongAge() { }

super("Age cannot be -ve");

}

}

class Father {

int age;

public Father(int age) throws WrongAge {

if (age < 0) {

throw new WrongAge();

}

This.age = age;

}

public int getAge() {

return age;

}

}

class Son extends Father {

int sonAge;

public Son(int fatherAge, int sonAge) throws WrongAge,
IllegalArgumentException {

super(fatherAge);

if (sonAge >= fatherAge) {

throw new IllegalArgumentException("son's age must less than father's age");

}

}

This.sonAge = sonAge;

}

Gopal
Date: _____ Page: _____

```

    public int getSonAge () {
        return sonAge;
    }
}

```

```

public class ExceptionHandlingInheritance {
    public static void main (String [] args) {
        try {
            Father father = new Father (50);
            Son son = new Son (50, 25);
            System.out.println ("Father's age: " + father.getAge());
            System.out.println ("Son's age: " + son.getSonAge());
        }
        catch (WrongAge e) {
            System.out.println ("Exception: " + e.getMessage());
        }
        catch (IllegalArgumentException e) {
            System.out.println ("Exception: " + e.getMessage());
        }
    }
}

```

O/P

Father's Age : 50

Son's Age : 25