```java
import java.util.Scanner;
class WrongAge extends Exception{
int a;
WrongAge(int a)
{
this.a=a;
}
public String toString(){
return a+" is a invalid Age";
}
}
class SonAgeExceedsFatherAge extends Exception{
int fa,a;
SonAgeExceedsFatherAge(int fa,int a)
{
this.fa=fa;
this.a=a;
}
public String toString(){
return "father's("+fa+") age cannot be lesser than that of son("+a+")";
}
}
class Father {
int fage;
Father(int a) {
fage=a;
}
public void fathervalidage() throws WrongAge{
if(fage<0){
throw new WrongAge(fage);}
}
```

```java
}
class Son extends Father{
int age;
Son(int fa,int a)
{
super(fa);
age=a;}
public void sonvalidage() throws SonAgeExceedsFatherAge{
if(fage<age){
throw new SonAgeExceedsFatherAge(fage,age);
}
}
void display()
{
System.out.println("Father's age:"+fage+"\nSon's age:"+age);
}
}
class FatherSon{
public static void main(String args[]){
Scanner sc=new Scanner(System.in);
System.out.println("Shreyas \n1BM23CS319");
System.out.println("Enter Father's age:");
int fage=sc.nextInt();
System.out.println("Enter Son's age:");
int age=sc.nextInt();
Son child=new Son(fage,age);
try{
child.fathervalidage();
child.sonvalidage();
System.out.println("Ages are valid");
child.display();
```

```
}
catch(WrongAge e){
System.out.println(e);
}
catch(SonAgeExceedsFatherAge e){
System.out.println(e);
}
}
}
```

```
Microsoft Windows [Version 10.0.22631.4602]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Shreyas\OneDrive\ド キ ュ メ ン ト \Desktop\java lab>javac FatherSon.java

C:\Users\Shreyas\OneDrive\ド キ ュ メ ン ト \Desktop\java lab>java FatherSon.java
Shreyas
1BM23CS319
Enter Father's age:
54
Enter Son's age:
1
Ages are valid
Father's age:54
Son's age:1

C:\Users\Shreyas\OneDrive\ド キ ュ メ ン ト \Desktop\java lab>java FatherSon.java
Shreyas
1BM23CS319
Enter Father's age:
19
Enter Son's age:
54
father's(19) age cannot be lesser than that of son(54)

C:\Users\Shreyas\OneDrive\ド キ ュ メ ン ト \Desktop\java lab>S
```

```java
class FirstThread extends Thread {

    public void run() {

        while (true) {

            System.out.println("BMS College of Engineering");

            try {

                Thread.sleep(10000);

            } catch (InterruptedException e) {

                System.out.println(e);

            }

        }

    }

}


class SecondThread extends Thread {

    public void run() {

        while (true) {

            System.out.println("CSE");

            try {

                Thread.sleep(2000);

            } catch (InterruptedException e) {

                System.out.println(e);

            }

        }

    }

}


class thread{

    public static void main(String[] args) {


        FirstThread thread1 = new FirstThread();
```

```
        SecondThread thread2 = new SecondThread();


        thread1.start();

        thread2.start();
    }
}
```

```
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```