WEEK 6 FATHER SON AGE EXCEPTION

SOURCE CODE:-

```java
import java.util.*;
class WrongAge extends Exception
{
    public String toString()
    {
        return "Please enter the right age:";
    }
}
class Father
{
    int age;
    Father()
    {

    }
    Father(int age1)
    {
        age=age1;
        System.out.println("Father age:"+age);
    }
}
class Son extends Father
{
    Son(int age1)
    {
        super();
        System.out.println("Son age:"+age1);
    }
}
class age
{
    public static void main(String args[]) throws WrongAge
    {
        //int i=args.length;
        //int j=Integer.parseInt(args[0]);
        //int k=Integer.parseInt(args[1]);
        Scanner sc = new Scanner(System.in);
        int j, k;
        System.out.println("enter fathers age: ");
        j = sc.nextInt();
```

```java
            System.out.println("enter sons age: ");
            k = sc.nextInt();
            if(j<=0 || j<=k)
            {
                throw new WrongAge();
            }
            else
            {
                Father f=new Father(j);
                Son s=new Son(k);
            }
        }
}
```

OUTPUT:-

```
C:\Users\Admin>cd C:\Users\Admin\Desktop\1BM21CS247

C:\Users\Admin\Desktop\1BM21CS247>set path=C:\Program Files\Java\jdk-19\bin

C:\Users\Admin\Desktop\1BM21CS247>javac age.java

C:\Users\Admin\Desktop\1BM21CS247>java age
enter fathers age:
50
enter sons age:
14
Father age:50
Son age:14

C:\Users\Admin\Desktop\1BM21CS247>java age
enter fathers age:
40
enter sons age:
60
Exception in thread "main" Please enter the right age:
        at age.main(age.java:45)

C:\Users\Admin\Desktop\1BM21CS247>_
```

```
C:\Users\Admin\Desktop\1BM21CS247>java age
enter fathers age:
-12
enter sons age:
-35
Exception in thread "main" Please enter the right age:
        at age.main(age.java:45)

C:\Users\Admin\Desktop\1BM21CS247>java age
enter fathers age:
-12
enter sons age:
56
Exception in thread "main" Please enter the right age:
        at age.main(age.java:45)

C:\Users\Admin\Desktop\1BM21CS247>S_
```