Lab Program 6

Date
Date
30/12/12/2
Q. Write a program that demonstrates pandling of
en after i libraritario franching of
exceptions in inheritance tree create & base class
called talker and derived flase affect "som"
which escende the base class, an Esther and class
implement a constructor which I have the
the and the exception Warranda a short the
12 4 CD days (Who set as to
throws the enception wrong Ag() when the input age < 0. In son class, implement a constructor that cases both father and son's age and throng
that cases both father and son's age and throng
on exception if son's age is 7 = father's age.
import jova . util. *; class WrongAge Exception extends Exception 2
anyon your sure of
dass WrongAge Exception exception
2
loubly their tostring ()
fublic String to String ()
return (11 Age can't be negative!");
J. Company of the com
- State of the sta
the tise of the title to the
class Greates Son Age Gaception entends Exception
2
Jublic String to String ()
5
return ("Son's age con't be more than Father's
mal (")
3
3
class Father
2
List Page:
and fage
Father (int x) throws Wrong Age Exception

lag = x,
foron new Wrong Aget neeftich)
throng new Wrong type
3
2
class son extends father
class Son externos
E And Exception,
int sage int b) throws when Exception
int sage; Son (int a, int b) throws Wrong Exception Greater Son age Exception
Option
9
suler (a);
such the second
sode = b)
(sage < 0)
throw new Wrong Aget xception
else is (sage >= fage)
throw new Greates Son Aget Mephions
7.
9
3
. 1
dos ExceptionProg
public static void main (String args[])
public static void main (String args)
tru
90
Scanner sc=new Scanner (System in); Lystem.out. println ("Enter Father's age");
dystem.out. println ("Enter Father's age");
int latters are - or works. I CA
Queto mit 1: to (" " "")
System. out. printly (" Enter Son's age")

classmate 2.
Date
Son s 1= new Son (father age, son age); System. out. fruitla ("Ages are correct \n" Father Age = "+father age + " \n Son Age = "+ Sone age);
System out heintle (" age, son age);
Father Age = " + father - age + " n Son Age = " +
Some age);
Catch (Cosarta Con Mint of His 1)
-catch (Greater Son Age Exception ega)
dystem, out. printles (ga);
catch (WrongAge Enception wa)
£ 2 2 4 1 . + Pu Coa):
2 System. out. frintles (wa);
cotch (Enception e)
System out printly ("Please Enter correct values!");
2
3
Outfut: Enter Father's Age
Enter Father's Age
Enter Son's Age
13 +
Ages are correct
Father's Age = 50 Son's Age = 13
Son & Age = (3

Enter Father's Age
Enter son's Age
Ages can't be negative!
fights can come !
Enter Father's Age
20
Enter Son's Age
Son's age can't be more than fother's age
Son's rige and
A second
The second secon
9

OUTPUT:

Select Command Prompt

```
C:\Users\bmsce\Desktop\1BM21CS048\00J lab\Lab>java ExceptionProg
Enter Father's Age
50
Enter Son's Age
13
Ages are correct
Father Age=50
Son Age=13
C:\Users\bmsce\Desktop\1BM21CS048\00J lab\Lab>java ExceptionProg
Enter Father's Age
90
Enter Son's Age
-44
Age cannot be negative!
C:\Users\bmsce\Desktop\1BM21CS048\00J lab\Lab>java ExceptionProg
Enter Father's Age
20
Enter Son's Age
90
Son's age cannot be more than Father's age!
C:\Users\bmsce\Desktop\1BM21CS048\00J lab\Lab>
```