& Enception trandling ceas wrong type entends tacoption public Woong Age (String mensage) 3 seper (morsage); class Father 2 int fag; public Father (int Fage) throad Wrangage Sil (Fage 40)
Sil (Fage 40) Wrong Age ("Age comst 2 be regative!); 3 this fage = Fage; Class son enemds father int sage; public son (int Page, int sage) throws Wrongage & Super (Fage) I phoson new wirong Age ("'son's

3 age must be less than Fashers ag"). 3 this sary = sary; Peters class fatherson garges) Public static void main (strings) Scanned SC= new Scanner (System.is);

System out printern ("Entex Father's and
sons age"). int fa = SC. rent Int(); int sa = SC. rent Int(); tay Sans = now 5 an (Fa, sa);

System out, printer ("Fathor's ag:"+

g. foogl;

System out, printern ("son's ag:"+ 5. Style

System out, printern ("son's ag:"+ (who org Age e) Morrage ()); Portrem ("Esson:"+e.gd

Algorithm 0 Start a) (reak a cens wronginge which is a uses encopsion defined 3) (reate a coars father which takes father & falus parent parameter of father age & how student age if sage 2= fag 5) the main function fatherson tales prints there age if it is valid

The values are involed it ports on appropriate use of exception Dulput Entry fathous age and son's age: -1 2 Error: age connot be regative Enter Fatheriage & son's arge: 20 30 Error: son's age must be loss them form Enter father's erge & son's ag. 2) tather's age 2 son's ag it

```
C:\Users\bmsce>cd C:\Users\bmsce\Desktop\1bm22cs027 ooj
C:\Users\bmsce\Desktop\1bm22cs027 ooj>javac fatherson.java
C:\Users\bmsce\Desktop\1bm22cs027 ooj>java fatherson
AKANKSHA SINGA
1BM22CS027
Enter father's age and son's age:
-1
2
Error: Age cannot be negative
C:\Users\bmsce\Desktop\1bm22cs027 ooj>java fatherson
AKANKSHA SINGA
1BM22CS027
Enter father's age and son's age:
20
30
Error: Son's age must be less than Father's age
C:\Users\bmsce\Desktop\1bm22cs027 ooj>java fatherson
AKANKSHA SINGA
1BM22CS027
Enter father's age and son's age:
2
1
Father's age: 2
Son's age: 1
```

9 Malti Threading Class A entires Thread 5 A public void sun () S cohise (tous) of Engineering'); Scritch (enception e)

Significant out printers & ('error in classe') Class & enends Thread S public void sum() cohile (tone) System. and privary ('CSE'); Sop (2000); 3 Catron (enception e) 2 system out printen ('exror in classe');

Public Static Void Main (Soring & Dough) A a = news A (); B b = row B(); a. start (): Output: BMS college of Engineering CSE CSE CSE GE BMS college of Engineering CSE CSE CSE CSE BMS cology of Engineering

Algorithma 1) Start 2) Maka 2 classes A & B angenering after energy positionals

Sischerled with help of a tory

(alth black 4) class of points (SE afres every) perands and is checked with try cotch beack 5) The main function coenters 2 objects are 1 of cease A & other of came and there two objects point to defent a) both the objects in main are in ceases & prints the required

```
C:\Users\bmsce>cd C:\Users\bmsce\Desktop\1bm22cs027 ooj
C:\Users\bmsce\Desktop\1bm22cs027 ooj>javac multithread.java
C:\Users\bmsce\Desktop\1bm22cs027 ooj>java multithread
AKANKSHA SINGA
1BM22CS027
BMS COLLEGE OF ENGINEERING
CSE
CSE
CSE
CSE
BMS COLLEGE OF ENGINEERING
CSE
CSE
CSE
CSE
CSE
BMS COLLEGE OF ENGINEERING
CSE
CSE
CSE
CSE
CSE
BMS COLLEGE OF ENGINEERING
CSE
CSE
```