## Week-1

import java util & conney; queblic class First {

public static void main(string[] augs) {
 deanner in = new & cannor(&ystem.in);
 &ystem.out.print("Enter a number");
 int number = in.nextInt();
 dystem.out.print(n("You entered: "+
 number);

2

Microsoft Windows [Version 10.0.22621.2715] (c) Microsoft Corporation. All rights reserved.

D:\java\week 1>javac First.java

D:\java\week 1>java First

Name: Aditya Dinesh Netrakar

Usn: 1BM22CS017

23

You entered: 23

D:\java\week 1>

2) Java Program to their whether a number is Even or Odd. import java util deanner; public Mars Samond ? public estatic void main(atting[] augs)

int num; dystem. out. pleint ("Enter an Integer number: ");

deanner in = new seamer (dystem. in); num: in. nextInt();

if (num 1.2 == 0) dystem. out. println (num 1 " is an wen numbur). dystem. aut. printer (num+" is an odd numbui); Output: enter an unteger number 2 is an even number.

## D:\java\week 1>javac Second.java

D:\java\week 1>java Second

Name: Aditya Dinesh Netrakar

Usn: 1BM22CS017

Enter an Integer number: 12

12 is an even number

D:\java\week 1>javac Second.java

D:\java\week 1>java Second

Name: Aditya Dinesh Netrakar

Usn: 1BM22CS017

Enter an Integer number: 7

7 is an odd number

D:\java\week 1>

3) gava Broggiam ito Ruing Right Duiangle Stay public relace Third public static void main (atteing [] augs); int now, column, n=8; for ( 40w = 0; 20w2 n; 20w++) for (column = 0; column 2 = 40W; column+1) dystem.out.plint("\* "); , dystem. out. println();

```
D:\java\week 1>javac Third.java
D:\java\week 1>java Third
Name: Aditya Dinesh Netrakar
Usn: 1BM22CS017
D:\java\week 1>
```

4) Java Reggeam to find Quotient & Remainder public class Fourth [ public static void main(string() augs) int num1 = 15, num2 = 2; int quo = num 1/num 2; int dem: num! v. num?; dystem: out, print en c'austient is: ", que); obystem. out. perinten ("Remainder is: "+ dem);

3

D. + +

D:\java\week 1>javac Fourth.java

D:\java\week 1>java Fourth

Name: Aditya Dinesh Netrakar

Usn: 1BM22CS017

Quotient is: 7

Remainder is: 1

D:\java\week 1>

5) Java Berogeam ito Multiply 2 no. s. import java util deanner; public class Fifth & public static void main (Steering () augs) deannerin: new deanner (dystem.in); dystem.out. print (" enter first no: "); int n: =. in. nextInt(); Lystem. out. print l'enter second no: "] int n2: in nextInte); int you 0 : n1\* n2: dystem. out println (" Output: "foro);

utput

D:\java\week 1>javac Fifth.java

D:\java\week 1>java Fifth

Name: Aditya Dinesh Netrakar

Usn: 1BM22CS017

Enter two numbers: 12 2

Output is: 24

D:\java\week 1>

b) dwap itwo numbers

public iclass directs

public iclass static void main (Steeingl) augs)

float first=1.20f, second=2.45f;

dystem. out. perintln("--Before swapping-")

```
dystem. out. perintln ("First no:
                                  "+first);
 dystem out pointln! "Second no:
                                 "+ second);
- Aloat itemp: first;
 first = second;
 accond: temp;
Lystem. out. perinteln ("-- Ofter swapping --");
dystem. out. println("First no = "Hust);
Lystem. out. println ("Becond no: " + second);
```

```
D:\java\week 1>javac Sixth.java
```

D:\java\week 1>java Sixth

Name: Aditya Dinesh Netrakar

Usn: 1BM22CS017

First number= 1.2

Second number = 2.45

After swap

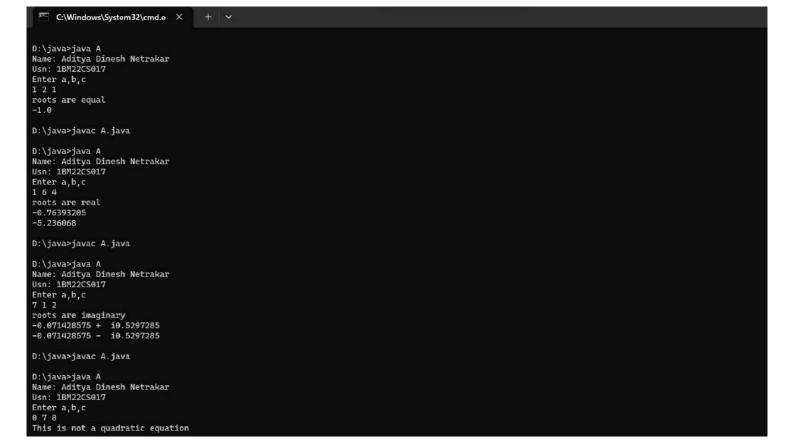
First: 2.45

Second: 1.2

D:\java\week 1>

```
Java code
imporat java util. Scanner;
import estatic yava. Jang. Math sopet;
import static java lang. Math. abs;
public relass News
   public estatic void main (altring [] augs) {
         deanner in : new deanneul deptem. in).
        aystam. out. println ("Enter coefficients of
        unt a = in. nextInt()
         ent b = in neutInti)
        unt c = in. nextInt();
        4 (a = = 0) {
           dystem. out. println ("EnterInvalid input")
        else ?
           int d= 5*b - 4*a*L
           4(d>0)f
              dystem out println ("Roots are real")
              float ou= (float) (-b+ squt(d))/(2*a);
              float dir= (float) (-b-squt(d))/(2*a);
               Bystem. out. println (01);
              dystem. out "plinteln (42);
```

alse if (d(0) { Lystem out, print In ("Poots acre float 81: (float) + b/12\*a); float 42 = (float) safet (abs(d)) /120) Lystem out println (211 + "+ 1"+4"). dytem. out. println(212+"- 1"+42) else { System out println!" Roots ale equaly float de (filoat) -b/ceta); dystem. out. println(10); Output: -) Enter the coefficients of a quadratic equation Roots read -0.76398205 -5.236068 -> Enter the coefficient of a quadratic equation 121 Roots rouse heal and equal 1-1. D -) Enter the coefficients of a quadratic equation Roots are amaginary -0.0714285 + i 0.52972 -0.0714285 -10.82972 enter the coefficients of a ranadiatic equation Invalid input.



Develop a Java perogram ito mente a class exterior with member in name an interior eredite & un cereing marks. Include method to accept & display details & a method to calculate GOIPA e a student. public class attudent & aturna unnamit private inter enexitation, 1, 3, 3, 9, 1, 1, 13; authir attractor () 18 184 (BO17")

this name = "ladytyn"; public double was (int (?) ann) ()

double marks = 0, 49 pa = 0;

for ( i=0 ) i < ann. democh ; (++) (

marks = (en edit()) \* (eint) ann/10 + 1)); ugga = marks/20; NOW THE REST OF THE eneturn Dapas and the many bearing graphic distribution with import java, util deanneys audit class students atting wans strung name; int 1=01 private state inter meditify, 4, 8, 8, 8, 1, 1, 1, 1) deanner in = new deannerlaysterner; public void first ()[ elystem seet suinten ("Enter your USN. uin: inmittel: System out suint ("Enter name: "); name = in next();

```
public idouble meetint() and)?
           double isgpa=0, maries;
 forli=0; ic availength; i++){
               if (wuici) == 100) {
                   rasuci] = werci]-10;
               else if Court (i) < 40){
                    raducti) = 0;
              marks + = viedit(i) * ((avici)/10)+1
            mosgpa=marts/20;
            oration agpa;
     public void display (double mesult) ?
          dystem out iprintiln ("& Or PA: " + result)
2 (1 million (Los) & ( Philoson) & Active on
Public class Maint
import java util deanner;
public class Main !
     public static void main ( string [] aras) {
           Scanney in = new scanney(dystem.)
           int [] aux = new int [8];
           student si = new student;
          al. first();
dystem, out printly ("Enter marks
      forcint 1=0; 128; 1+1){
                auci): in.nextInt();
            1 struck (alun);
  stouble result = 121. res (aux);
           & s1. display (nesult);
                 A TEMPORAL STREET
```

Algorithm: Start: Start Step: Start Step 2: Initialize variable variet, marks, Step 8 - Calling class student un which calling function furt();

Step 4 - Input; "Enter us n" + us n det ep 5 = Input: "Enter name" + name At ep 6 : Perint " Enter marks" atep 7: Rear for (1:0; ice; 111) f Octops: Read arriay medits as 24,4,3,3,3,1,1,13 at ep 9 = forli=0; ic were denoth; 1+1)& 4 (LOSOT(1) >=100)} 2 aux(i) = aux(i) -10; the if (auci) (40) { 2 ASURCIT = 0; marks + = wedit(i) \* (toursci)/10)+1) estipio: 29 pa: marks 120 atep 11 = Perind "BUPA = "+ 29pa autout: enter your usn: 1822(5017 Enter name: Aditya. Enter marker with the 90 93 84 87 83 40 96 100 SHPA: 9.55 1629/12/23

## D:\java>javac B.java

D:\java>java B

Name: Aditya Dinesh Netrakar

USN: 1BM22CS017

Enter your usn: 1BM22CS017 Enter your name: Aditya Enter the total marks:

90 93 84 87 83 90 96 100

SGPA: 9.55

D:\java>

Details of a Book (Input & display of the actails of book using to Staing ()) import java. util. Scanner; class Books & atting name; atting author; int puill; ent num-pages; public void set cirtil deanner in = new scanner (system.in); System out println i enter idetails of book + (i+1)+" in name, author, poice, num pages norme = in. next (): author: in, next (); puice = in nerdInt(); num-pages in next Intl). pueblic void attring toathing wifil maturen "Detable of Book" + li+1) + "In" "Name ; "+name + "In" +
"Author = "+author + "In" + "Parice: "tobile + "In" + "No. of pages + " + num-pages; 3 public void get (inti) {
string 6 = to string (i);
8 yestem out println(s); Mainf public istatic void main ( setting () augs) of int n; Lanner in: new Laurner (Luptem.in); Lystem out printen l'Enter number of bod n=in.nextIntly; Books b[] = new Books (n); for lint iso sich six+){ S(i) = new Books(); b(i).set(i); dystem. out. println();

for lint i=0; i<n; i+1){

System. out. println (bli). to string(i)) algorithm: Start anitialize variable under structure Stip 2 struct Book ( String name; string author; num-pages; 10 atep 8 it Read n. Step 4: forlise; 120; 1++ 12 & Reint "Enter details of the shook"

name in next() Read kname (i)

b. author(i), b. perice (i), b. numpage(i) I continue juntil it soreals the loop. step 5 = Print "Display details of books" + 84 (1=0; i(n; i++){ Print "Name " + b.nam(i) " + b. out horci) Point "Author Reint "Price: "+ b. perice [i] Pain "No. of pages ! + b. num-pages(i) dteps: dtep HAM HODDER COURT THOUSAND rado tra DrowAtring Long House 是一大大学。其中的一个大学的人的主义。 A LOW BOOK DOWN

Enter number of books: enter details of book! un name, author, puice num-pages order ajhjal spb eag go Enter détails of book 2 in name, author, peute num-pages ouder 200 doth eje 800 Display: Details of Books 1 Name gyhjd Author spb Puice 299 No. of pages 90 Details of Books 2 Name abth Author eje Printe 300 No. of page 200 Till the part of the same of the string of the Develop ia Java perogram to create an abstract class ito find the drea of Reitangle, Teiangle and will. import java util &cannon, abstract dass Shape & ent a, b; abstract word printArreal), class Rectangle extends shaped · Rectangle lint &, int bu);

```
Microsoft Windows [Version 10.0.22621.2715]
(c) Microsoft Corporation. All rights reserved.
D:\java\oops>javac D.java
D:\java\oops>java D
Name: Aditya Dinesh Netrakar
USN: 1BM22CS017
Enter number of books
2
Enter details of books 1 in name, author, price, num_pages order
ajhjd spb 299 90
Enter details of books 2 in name, author, price, num_pages order
dbfh eje 300 200
Details of Book 1
Name: ajhjd
Author: spb
Price: 299
No of pages: 90
Details of Book 2
Name: dbfh
Author: eje
```

Price: 300

No of pages: 200

Develop in Java program to deate an abstration class ito find the drea of Rectangle, Isian and circle.

import java util Econner;

abstract class Shape &

int a, b;

abstract void printArea();

class Rectangle extends shape &

Rectangle lint &, int by);

a = 1;

b = bri;

publicated perint Asia () of lectangle = "+deba); class Thiangle & extends Shape? Triangle ( int ba, int h) { publicion of pountAueal) Lystem. out. printer ("Auea double varion: 0.5 \* a \* b; System. out. println ("drea of triangle class Circle extends shape { circle Cient 4 ) ? soluble solien: 3.14 \*1 public void point Asica () [ double ratea = 314\* 4 + 11; System. out. println (" Area of the linde + area 3 Leady to only brand class Mains public static void main ( String () augs) scanner in= new scannerløystem.in); System. out println ("Enter the area sides of a Rectangle "); Rectangle nec new Rectangle que c. privit Aura Distin nent Int (), in next Int dystem out printer l'Enter the base and height of a striangle! "); Touangle tou = new Triangle ( Lyin next Intl), in next Intl) thi, phint Alea ();

System out puintly ("Enter the mading of a circle liville in = new liville (in next) cir. paint Aura (); olgouithm: anit eneate Abstract class shape Start diep1: in which sinitialize valuable a lb detap ?: Step 3: tall for printAreal) function in abstract enter alerabeth & breadth of a sectande atep4. (d, bu) under clars Rectangle extende Ruint "Area of rectangle "+ 1 \* bu. Step 5: Read has elbo) and heighth) of a turangle entends Shape a to a b=h Print due of finale: "+ (0.5\*b\*h) Steps - Read wadius we) of a linche under class while of artends shape Plint " drea of livele : "+ (3.14 \* 4 4) Step 7: Stop. Thou shall with Output Enter the length and bueadth of a dectangle Quea of sectangle: 12.0 the base and height of a triangl: Enter 4 10 Area of theangle : 20.0 Enter the radius of circle. 12/01/24 dula of livele = 153.86

```
Microsoft Windows [Version 10.0.22621.2715]
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D:\java\oops>javac E.java

D:\java\oops>java E

Name: Aditya Dinesh Netrakar

USN: 1BM22CS017

Enter length and breadth of a rectangle:
3 4

Area of rectangle: 12

Enter base and height of a triangle:
4 10

Area of the triangle: 20.0

Enter the radius of a circle:
7

Area of Circle: 153.86
```

> Bank - Williamt & davings sciount: Develop la Tava pringram to ciente a class Bank that maintains & linds of account import java. util. Scanner, class secount & druing ust name; int all no. String all-type; public August lastring uest - name, int haveno, diving all-type ) ? ithis auno auno, ithis acc type: acc type; public void displayBal () {

System out println ("Account rumber: "+accord; dystem out println ("lustomer name = " + custrant distem, out, println ("volucient type: "+acc\_type) System out println ("Balance: " + balance) tinks) report land of the sent class Eurount extends accounts double min-balance, service-charge; Eure unt l'astering cust\_name, int auno){
super (cust\_name, occino, "luve ent"); ithis min-balance = 500 this activity charge 20. ipublic void withdrawl (double and)? if ( balance - amt > = min\_balance) { ubalance -= amt; Laystem out printly ("Withdraw) Balance: "+ balance! balance - = service harge;

class davings extends decount l double interest\_state; davings latting cust\_name, int alinoss super (ust\_nome, acino, "Savings") this interest rate = 0.5; objetem out printen l'Interest Deposit current Balance: "+ balance); spublic void compound Interest (adouble sindian int time if robuble ci = initial\_amt \* Math. pow (0+in - initial-ant. tenst\_nate), tim balance+=ii adjet em out printly compound interes is applied butwent Balance: ", balance on townshi hallmista. public ulas Bank & public static woid main (String[] augs) { deanner in = new Scanner (System in); Lystem out pointly ("thoose account type")
Lystem out pointly (" Lauring 2 burrent Lystem out, pointly ("Enter choice, or e") int shaile = in next Int (). Leving ust-norme=in.next(); System. out println! Enter account number unt acenos in.nentInt(). Lystem out printen if (choice = = 1) f davings a aux Acc = new davings leus - no dystem. out. println (" enter initia bulan

double initial balance: in. next Doubles); sautAcc. balance: initial -balance; System. out. swintln! Enter withdrawl ramount"). withdrawl=in.nertDouble()savAcc. balance = withdrawl; Legistem out, printly (" withdrawl sanAir balance); dystem out, println (" Enter time to calculate compound interest: " int time = in nentInti); (sai)Acc. Compound Interest Cinitial-balance, time): savAci.displayBal (); else if Choice = = 2) & divisient wei Acc = new lurient Cust name, Laystem. Out println l'Enter initial balance idouble initial\_balance = in nerdDouble(); weiAcc. balance - initial\_balance. System out println' Enter withdrawl the mount is it of double amt : in. nert Double 1); cuest le mithaleand (annt); with (c, Service thatage (); merAce. display Ball; Telse of I would be the man in dystem. out. println ("Invalid choice"); arriver broughout the travel toward How House hours to in court I maded !

Flow charent: atep 1: ataut. atepr : anitialize variable just name, acuno accitype, balance. dtep3: Emput = "Enter customer name "+ aust ateps: Input - "Enter account number" + aun Step 5: Input - "Enter raceount type it are type Steps: Input - "Enter balance" + balance Step & Print " Entrauount type -1. Laving 2. www.ent " Step 7: Input Enter choice 1 04 2 Step 9 Read chaire Step 10: 4 (chaice == 1) } Input " Enter initial balance" rimitial-balance enter withdrawl is must withdrawl. Saput if limital Input " Enter minimum balane " + min. if (initial\_balance - withdrawl >= mi balance -= withdrawl. Ruint " Westernt Balance "+ balance Input "enter interest\_ rate "+ rate Input " enter time " + time ci = initial\_balance \* power ll + interest initial-balance. Print " De Compound Intust: Reunt " Depait with Interest " + (balance + balance + interes

else if (choice==2)[ "mount ("Input." enter initial baloni balance = initial-balance, Imput " Enter with drown amount"+ withdraw if (Chalance -withdrawl) >= min) { balance -= withdrawl; Print " tweetern Balance = " blance alset Step 12 = "Paint "Invalid thoice" Step 13: Step Butput: those account type 1, Saving 2, Willet enter thairs 1 A 7 Enter customer-name ado enter recuerous restra Enter initial balance: 10000 Enter withdrawl amount 1000 Eurypet balance: 9000,0 Enter itime (in years) for compount interest ealculation. compount interest applied = 32750.0

```
D:\java\oops>java F
Name: Aditya Dinesh Netrakar
USN: 1BM22CS017
Choose account type:
1. Savings
2.Current
Enter choice 1 or 2
Enter customer name:
adi
Enter account number:
001
Enter initial balance
10000
Enter withdrawl amount
1000
Withdrawl successful. Current balance: 9000.0
Enter interest rate:
3
Account number: 1
Customer name: adi
Account type: Savings
Balance: 9000.0
Enter time(in years) to calculate compund interest:
Compound interest applied. Current balance: 639000.0
Account number: 1
Customer name: adi
Account type: Savings
Balance: 639000.0
```

```
extreate package (IE, SEE2 impout the package
    on main java file.
   parkage LI Eighanner; public class attudent ?
       spublic string un;
public string un;
public string name;
       public void raccept()
          Lystem. out. pointien l'Enter un: ");
            usn: in.next();
           dystem. out. print ("Enter name: ");
            name = in. neutl);
           system out print " Enter sem ");
            sem = in ment();
package (III)
 public int marks[]: new int[5];
package SEE;
import ETE. student;
public class External extends student?
     public int end new.int(5);
```

```
Main java
import java. util. *.
imposent SEF. *;
impout (II. *;
public class Maint
     public static void main ( steing aways []) 5
         int simal [] = new int(s).
         Scanner in = new Scanner (System in);
          System. out, peintl ("Entern = ").
          int n = in nextInt();
          BEE. Enternal cont ] = new GEE Externally,
          ttt. Extunal
           CIE. Inturnal in () = new (IE. Internally);
          for(int i=0; i(n; i++){
              end(i) = new SEE. External ();
               in(i): new (IF Internals();
              System. out pointed l'enter détails of
                + (1+1);
                endli). accepti);
              for (unit j-o diptem out printen ("
              Enter internal & extrinal marks");
              forcint i=0,325;j++){
                  dystem. out println (" lourse "+()+i)),
                  in(i), marks'(j): in nextInt();
                   end(i).ent(j): in.nextInt();
                   timadli) = in(i), marks[i] +
                                end(i). ext(j);
               dystem.out.println!" Final marks
of "+ and(i). name);
               for (int 60; R(5; k++) {
                    Lystem.out. println ["lowese
4 (k+1) + "="+ final(k]);
```

```
Agorithm:
      Step 1: Stout
      Step 2: Initialize variable name, usn, sem
              marks (5), ert (5), timal (5)
       ateps: Function; void aucpt () 1
                  Input: "Enter us n
Input : "Enter name
                                     ", uin
                  Input = "Ender sem
                                        , sem.
     deep " : buint " Enter no. of itudents"
      atep 5 :
              Read n
     Step 6: Cueate structure of name, usn, sem
             atup +=
                  fort praint " Enter internal & external
                    marks suspectively
                  *04 (j=0) j25; j++) {
                      Stor Point "Course "+11+1)
                       Read mas. st[i). marches(i)
                       Read st(i) ext(j)
                       trat[i].tinal(j) = sat(i).masks(j)
                                      4 st(i) ext(j)
  Step 1: paint inal marks"
          102(1=0; icn; i++) {
                . print at (i) name
             forlj=0;j<5/j++1{
                print Final lowere
                 paint st (i) timal (j)
step 4: Stop
```

```
Output
Enter n=1
enter details of 1
enter un: 15
Enter name : justil
Enter som : 2
Enter internal external morely
 LOWERE 1
 23 89
 coulue 2
  23 9
 Laure 3
 45 78
  tours 4
 34 90
 coules e 5
 85 90
  final made
  Earthse 1 = 56
  Envise
  fourts e
  Coulise 4
  Collers e 5
```

02.02.24

```
D:\java\oops>javac Main.java
D:\java\oops>java Main
Name: Aditya Dinesh Netrakar
USN: 1BM22CS017
Enter n:
1
Enter details 1
Enter U, N, S:
17
adi
2
Enter im and sm of sub 1
93 95
Enter im and sm of sub 2
96 90
Enter im and sm of sub 3
96 91
Enter im and sm of sub 4
98 97
Enter im and sm of sub 5
90 95
Final marks of adi
Course 1 = 94
Course 2 = 93
Course 3 = 93
Course 4 = 97
Course 5 = 92
D:\java\oops>
```

ulleite a java perogram that idemonsterate Kologramiz: exceptional handling of inhoutance tere. clais "father" & derived class "Son". -> closes werong Age extends Exception ? public werong Age () é super l'idge cannot be negative"); class riput inputs entinds Exceptions
public input () {

super("ubrong input"); dege dter class father! ette public unt age; Ste Father ( int age) throws werong Age ( if lage>0) & throw new weing Agel; ithis.age = age; Stu class don extends Fatherl int s-age; don lint &-age, int s-age) therows wrong Age, superlf-age);
if lf-age <0 & & s-age <0);
ithrow new wrong Agel); at els e if (f-age <= s-age) {

itherow new imput()=; this . o-age; public class I ( dt. public statatic void main(string[] augs){

itery ; father f=new Father(40); obystem. out, pointln ("Father's age: "f.age); don is new don(40,50); dystem. out. paintln ("son's age: "+ s. sage); 3 catch Lewrong Age 1) { dystem out pointly le to desing(); iatch limput act dystem.out. paintln (ac. tostring()); algorithm: Step 1 : Start step 2: Initialise variable fage, is age Step 3: Greate user defined exception class whong Age extends Exciption of public invenagage () ( super ("Age cannot be negative") Meleate another meet defined exception chais imput extends Exceptions public imput 1) t (" tugari proudu ") voque ong Age, dtep 5: Lucate class, Fatherl public intage; Fatherlint age throws wrong Age & if lage > 0) [ therow new exception werong Age (); \$ this age : age; class student extends father & Don (int fage, int sage) thousas wrongstopt, inputs
super (fage); depo: weate

```
else if (+-age <= & age) {
System.out.perintln(therow new input);
               this. & age = & - age;
  Muite
           a perogram which weate & thread
                                                                dlg
           one is executed every cosecond & another
                                                                dte
  fog Ede cond.
                                                                 dte
  class one extends thread!
                                                                 at.
      public void sun(){
           int i = 0;
                                                                 alt
           while like 2) }
                 digitem, out pointly l'BMS collège of
                    Engineering");
                 Thread. sleep (1000);
               Gratch (Freetim 1) {
                   dystem out. println(e.to dbing ());
class Two extends Theread !
     public used run () i
           int i=0;
           enhile (i (2) }
                  dystemout println ("(BE");
                  Thurad elep (2000);
               3 catch (Exception e)(
                  dystem. aut. perinten ( e. to steing ());
                                                                 dit
```

if (+-age Lo & & s-age Lo) & whong Age ();

```
public relate I !
                 public static void main ( detaing ( ) augs) {
                       One ti-new Onell;
input 1);
                       Iwo te = new Iwo();
                       tr. start();
and
           dlapuithm:
acnot her
           dtep: dtaut
           Step 2: Initialize variable i=0
           at ep 3: Constant a class one 2 two which
                    ertends Thread.
           det op 4: Minder ulass one weate method sund),
               underwhile (i < 5){
                      dystem. out. "Raintl" BMS college of Engineering");
0/
                                 Keep Theread in sleep(1000)
                             Gratch (Exception e) {
                      dystem. out. fruint (e. ito dtoing ().);
          otop5: Under class Iwo create method scian ()
                under which, while [125] {
                    dystem.out.print Print ("CSE")
                              I eateh (Exception e) {
                            dystem. out. printh(e, to dtring())
          dieps: ferente la main class
                      cho call class One ti= new Onel);
                         Earl class Iwo tr=new Iwol);
                       ti staut ()
                        tr. starte)
```

alter 7: alter Output: 1) Continuation of to per algorithm of program 7 Step 7: call main class I's toy's calling classer, father f = new father (40); age: "+4, age) cald class, don s: new don 40, 56);
System out println ("don's age: "182. age) 's coatch (Exception e) dystem. out poundly (e. todteing ()): eatch (Exception e) } eater (wrong Age w)d dystem. out pointln (w. todteing())= eatch Cinput i) { dystem. out. println (i. todtring()) Step 8: Stop. but put . I we then we will take you (i) Father's input: Whong input
(ii) whong fae: Age cannot be negative
(iii) Father's Age: 40 8) Output: BMS coblege of Engineering CSE CSE BMS college of Engineering

16.0a.24

D:\java\oops>javac J.java

D:\java\oops>java J

Program 7

Name: Aditya Dinesh Netrakar

USN: 1BM22CS017

input: Wrong input

D:\java\oops>

D:\java\oops>javac I.java

D:\java\oops>javac I.javac

D:\java\oops>javac I.javac

D:\javac

D: