Practice programs for 00J lab-Week-2 [JAVA programs]

3) write a java program to accept a number of from the user and print or source of output as given below if n=4.

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import java, util. Scanner;

class Program 1. el

public static void main (Etting args []).

Scanner SS= new Scanner (Eyetem.in);

int i, j, n, k=1;

System-out. println ("Enter number of rows");

n=ss. restant();

System. out, println ("Pattun:"),

for (i=1; k=1;i++

for(j=1, j=1; j++)

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System. out. print (k+" "); lystem.out.printle (); (out of 50) and SEE marks (Out of 100) of a student and print his/her grade. The if ... elseight ladder. public state roid nain (string ang) import java. util. Scarner; dass Program 2 2 public static void main (String args CJK Scanner SS= New Scanner (Seystem. in); int CIE, SEE;

double tot; System. out, println(" Enter the CIE (50) and SEE (100) marks of the student respectively");

CIE = SS. Next Int(); SEE = SS. Next Int(); tot = (SFE 12.0) + (double) CCIE); if (CIE >= 20 22 SEE >= 40) if (lot >89 so lot <=100) System out, frintln ("Grade: 5") else if (tot>79 ls tol <=89) System. out, println ("Grade: A"); ele if (tot >69 02 top 2=79) Seystem. out. println ("Grade: B"); else if (bot > 59 22 tot <=69) System.out. println ("Grade : c"), else if (tot >4 9 be tot 2=59) Eystem. out. printh ("grade: D"); Lyetem out, println ("Grade: E"); elu if (CIE>=2022 SEE<40) lytem. out, println ("Grade: F");

Septem out println ("Not eligible, grade not applicable") (5) Write a JAVA program to print the prime number between groen two integers (inclusive). Assept these two integers from the user. import java. util. Scanner; class Program3 { public statec void main (String args[]){ Scanner SS= new Scanner (System. in); int low, high, i, flag; System, out, printle ("Enter two number (internals) low= ss.next Int(); high = ss. restInt(); System.out. printle ("Prime membre between "+low+" and "+high+" are: ");

mhile (low to thigh) per AVAL SOUNDER sount of any one of the going stopp given her ingula from <= 1) is any or may stage for the rolling in the rolling of the out of the second of for Ci=2; i <= low 12; i++) flag = 1; ingest java. Utd. Scarus, shood import static jork , lug , blath light; (C) if (flag = =0) System: out. print (low + " ");
low ++; distangul of white (" detects where of the type on out finite (" register 12, Con 103, 4/2/2010

6) Write a JAVA program which prints the area and Noture of any one of the given shapes given below. Accept the choice of the shape, appropriate inputs from the user, calculate & and display the area and the volume of the same. Repeat this with different shopes till the user wishes Eylinder: Area = A = 2 xxh +2xx Volume: 4= Maih Core: Alea=A= KA(1+ Jl2+12) Volume: N= Taihls Sphere: Alea: A = 4Th Volume: V=(4/3) x23 import java, util . Scanner; import state java. lang. Math. sgrt; class Program 42 public statu void main (string ags[]) { Scanner SS = New Scanner (Septem, in); int (=4; double a, v, r, h; while (true) System. out. println ("Enter the shore of shape"); System, out, printle ("1. Tylirder \n 2. Cone \n 3. Sphere 10 0. Escit");

switch (c) case 1: System. out. println ("Enter radius: "). r=ss. nest Double (); Septem out printle ("Ente height:"); h=ss. neset Double (); a= (2*3,14*r*h)+(2*3.14*x*1); V= (3.14 + 2 + x + x); System. out, println ("Area: "+a+"\n Volume: "+v); bleak; rase 2: System, out, println (" Enter radius:") n=ss, next Double(); Eystem, out, println ("Enter hight?"); h=88. nestDouble(); a= (3.14 * r) * (2+8grt((1+1)+(2+2))); V= (3,14+ x+x+x)/3.0; System out, println ("Area;" +a + " (n Volume: "+v); break; rase 3: System out, peintln ("Enter radius:"); N=ss. rect Double (); a= 4+3,14+2+2; V= (4"3,14" 8" 2" 2)/3.0;

System, out. println ("Ava: "+a+" In Volume: "
+v); break; case 0: Eyetem. out. println ("Escit"); System. esit (0); default : System. out println ("Invalid choice"), a= (2"3, 4" 2" h) + (2"3, 14" 2" h);

V= (3, 14 + 2-1);

Suptom . end., printly ("Ava: "+a + "). Nodume: "+v)

Sovak; case 2: System wit grith ("Enter radius Asso, sugal Souble () System and fairth ("tester suight:"); N° 83. Arathonible(); (3.14 - V) (V+54) (V-V)+(V-V)) = 0 N= (314+1+1/30) System out frith ("itra " ta +" in Volum: " of dose 3: Lytum out puiller l'éarte raduis: "]. A so withousell! a= 4=3.14.2.2 No (4-314-4-44) (3:0)