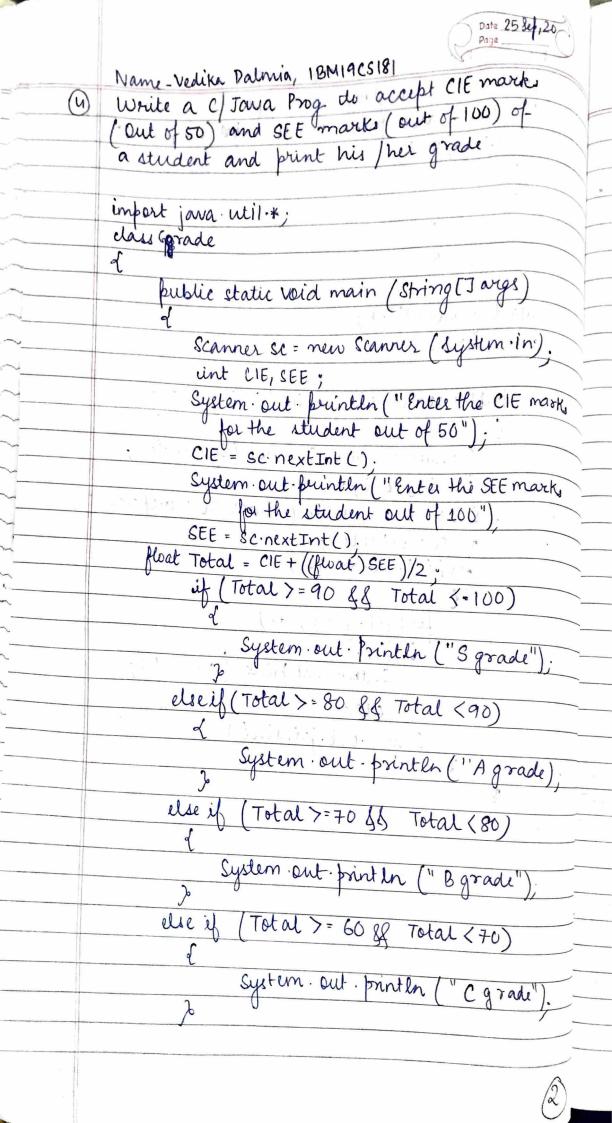
NAME - VEDIKA DALMIA, USN-1BM19CS181 Write a C/Java Prog ito accept a number n from the user and print nrows of output as given below if n=4. 3 5 6 7 8 9 10 412. import java. util. \*; . class Series bublic static void main (String [] args) Scanner Sc = new Scanner (System.in); int i, j, c=0, n; System out println ("Enter the no of rows"). n=sc·nextInt(); for(i=1; i<=n, i++) for [j=1;j(=i;j++) System.out.println().

(1



Day 25 Sep, 26 Vedika Dalmia, IBM1905181 dely (Total 7=40 && Total (60) 4 System out Println ("Dgrade"). else d System out Print ln ("Fgrade"). Write a Java Prog ito brint the prime numbs b/w given two integers (inclusive). Accept these 2 int from the user. umport java util \* class Prime public static void main (String (Targs) Scanner Sc= new Scanner (System in); unt St, en, i, j, c=0; System out frintlin (" Enter the starting and ending numbers"). St = Sc next Int (); en = sc. next Int (); for ( i=st; ix=en; i+t) for (j=1; j<= ii; j++) if (i) == 0) if (c==2) System out println (i);

VEDIKA DALMIA, IBMI9CS181 6) Write a java prog which prints alla, volume of any one of the given shapes. Accept the choice of shape, appropriate inputs from the wa calculate and display the area and volume of the same. Repeat this until user wishes to stop. import java util. \*; import java math \*; dass Shape public Static void main (String [Jargs) Scanner sc = new Scanner (System-in) unt ch; float p=3.14, r, h, Area, Voluesone; System out print en l'Enter your choice" System out printen ("I for Cylinder in 2 for Cone In 3 for Sphere"). ch = sc.nextInt(); while (ch != 0) switch (ch) case 1: System out println (" Enter the radius and height of cylinder Area = 2 \* p \* r = Scnext Int() Float (); h = Scnext Int (); Area = (2\*p\*x\*h) + (2\*p\*x\*x) Vol = p\* x\*x \*h break. case 2: System out println ("Enter radio and height of cone" r= sc: nextFloat ();

Date 25 Sep, 20 VEDIKA DALMIA, IBM19 CS181 h=scnextFloat() Area = (po \* r)\*( x + sqrt ((h\*h) + (r\*r))); Volumence = (p \* x\*x\*h)/3; break; case 3: System out frint-lin ("Enter radius
of Sphere"); r = sc. nextFloat(); Area = 4\*p \* r \* r; Vol = (4/3) \* (p \* r \* r \* r); break: System out brintln ("Volume of the fig = "+ Area).

System out brintln ("Volume of the fig = "+ Vol);

System out brintln ("To continue choose

an option between 1 to3"). System out frintln ("To Exit enter O"); ch=sc nextInt(); 1/main function 11 class

Date 25 lb, 20 Vedika Dalmia; IBM19(5181 7.) # include < stdio.h7 # include (string.h7 Struct getname & char name [10]; unt main () struct getrame arr [100]; unt n'i unt ent1=0, ent2=0, ent3=0. int a [100]; printf ["Students are required to fill in their details and choice of electives \n"). print (" Choices for electives: \n"); frint ("1. Internet of Things \n 2. Advanced Java and J2EE \n 3. Advanced DS (n") unt num print (" Enter the total no of students: "). scanf (". d", & min); for (i=0; i< num; i+t) brints ("Enter the name of student: "); scanf (": 1.s", & arr [i] name); beints ("Enter your choice: "). a[i]=n if (a[i]==1 ent1++. else if /aci]==2) cnt2++; elseif (a[i] == 3) cnt3++;

Date 25 Sep, 20 Vedika Dalmia; IBM19CS181 buinty ("Operation 1 \n"). want to get the list for: "); scanf ("/d", fx); for (in=0. i < num; i++) printf ("Enter the choice of tist elective you if (a[i]==x)

pointf ("ofosh", avitil name); frint (" operation 2 \n"); int 1=0; points ("All elective one students should choose different dectives In"). for (i=0;i/num:i++) if (a[i]==1 air [i] name). scanf ("/d", fn) else if (n==2) unt2++; brintf ["Elective 2 students should choose diff elective \n");

Date 25 (1),20 Vedika Dalmia; IBM19(5181 for ( i=0; i<num; i++) (a[i] ==2) [[".].s Select from lorz; arr[i] name); scanf ("/d", &n) a[i]=n cut 1++ cnt3<30 cnt3 = 0 prind ("Elective 3 students must choose diff elective \n"). for [i=0; iknum, i+t a[i]==3 avorlidename). scanf ("/d", &n); if n==1 mt I++; else if (n==2) cnt 2++

Date 25 lip, 20 Vedika Dalmia; IBM1965181 brint (" operation 3 \n").

brint (" No. of students in elec 1: /od \n" (n+1);

brint (" No. of students in elec 2: /od \n", unt 2);

brint (" No. of students in elec 2: /od \n", unt 2);

brint (" No. of students in elec 3: /od \n", unt 2); buint ("Operation 4 \n").

Brist ("List of students in elec 1: \n").

for ( unt i = 0; i < mum; i++) if (a [i] == 1)

point ("/s/n", arc[i] name). for [ int i=0, ix num, i++) if [a[i]==2) frints (".j.s \n", ars [i]. name). for (i=0; i\num. i++) if (a [i] == 3) brinty (" of s\n", arr [i] name); 2 returno, 3