p find out the values of 1) left shift operator 2) Right shift operator 3) Bitwise complement operator for the value of the last 4. digits of your roll number in 16 bit representation. Sol: Last 4 digits = 3028 In 16 bit representation = 3028 500101111010100 1) 4.5.0 9 00000011110101000 2) Right shift 7.6000010111101010 3) Bit wise compliment operator 1111010000101011 Q) Use oop concept to emplain what is System.out. println(). By reffering the most widely used console display strot. 80/2 The most widely used console statement in java for displaying a message/args/strings: "System-out. printdn ("---"); * In "System" is a class Epascal casef which

include many standard methods like, out, in + Out is an object of the 'print stream' class. * Out has the print() and print(n) methods * Use 1. ' to access print en/println() methode * Out is inside system field * Use 1.1 to access out from system. :. System.out.println(); a) Develop a complète program by implementing method recursion for printing numbers from to 1 with step size 1; where n > 2 and input B provided by user Ar import java. util. Scanner; public class numprinting of publis states int printing (mt x) & it (x!=0) of System.out.printen(n); rotum printing (n-1); return o; public static void moun (String[] angs) of Scanner sc=new Scanner (System.ih);

System-out println ("Enter num n (1-2)"); int n=Sc. nentInt(); while (n<=2) f System out printly ("Enter valid num!); n=SchentInt(); printing (n); 4 Sc. closed); a) Using a doop, draw shape of rectangle of Size & W. Distance between each successive 'it' can be assummed on a unit deugth. Sola import java. util. Sconner public class draw rectangled public static void mount string [3 angs) { Scanner Sc= new Scanner (System. 19), System. out. println("Enter il length"); int 1= Scrent Int(); System.out-println ("Enter (w/ width"); int w= Scinent Intl); tor (j=0; j<=w; j++)d System. out. print ("x");

for (i=0; ; el-1;1++)d 1+ (j=+0){ System.out.print.("#"); } edse if(j==w){

System.oud.print("*"),} System. o utoprint (""); } System. out. println(" #"); me of the second can be assummed on a unit length. Alfrepare a program to determine the "length" of a given T-shirt size using switch case import java util scenner; public class t-shift-sized public static void main (String [7 angs) of Scarner Sc= new Scanner (Systemith) System.out. porntln("Enter size") 87mg STRE-SconextLinel);

Switch (Size) 1 ease "sing Systemout print. In ("length 31 a inches"); case "M": f System. out. printen ("leugthis 20 inches"); System. out println ("leughis 21 Inches"); System.out-printdn ("leugth is 22 inches") Case "IXXI": d System.out. println("length is 23 inches"); default: Eystem, oud. println ("Enter valid size"). sc. closel);