(SAD993- Programming in Java for application development. Reg no: 192311081 Nance: Dhivakaran. D Date: 31/1/24 Dep: (SE and year.

1) find factorial of n? Import java. atil. Scanner; Public class Factorial & Public Static void main (String 1 Jogs) ? Int n = new Scanner (System. in). next-ink), fact=1; for (:nt :=1; 2=n; 2++) fact =1; & System. out. Print (factorial of"+n+" is+fad); Prput: 6 output: Factorial of 6 is 720 Write a program to print below patters. Import java. atil. Scanner; Public class namber Patters & Public static void mans (string) augs)?

Int n= new Scanner (system. in). Next (w/1), k=1;

for (:w-:=1; i ==1; i++) {

for (:w]=1; j=1; j++) {

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System. out. Point (k* k+ "");
                    system. out. Println[);
        Input! 4
         output: 49
             a program to find num of composite num in away
                   49 64 81 100.
 (3) write
       Public class composite numbers &
           Public static void nam (String [] ags)?
               i Wf5 asa = {16, 18,27, 16,23,21, 193)
                 int count = 0;
                 for (Int num: arr) of lis Composite (num) ) count ++;
                  System.out. Println["num of composite number:"+cous);
              Public Static boolean is Composite (int num) &
                of (num 1=1) return false;
                for (: N-1=2; : L= math. Sart(nam); i++)
                     of (nam. 1. 1==0) return frue;
                return false;
      output:
             num of composite namber = 5.
vivo Y20G
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find not odd num after nodd numbers. Import. jara. atil. Scarrer; Public class find not odd number & Public Static void main (string prosque) & Int n= new Scanner (System. in). next Int (); int result = n\*H-1; System out- Prints (n+ "the cold num ofter"+n+" oddrums=" Input: 4 output: 4th odd now oftos 4 odd nams = 15 porte a program find whether given character prosent in string or not ful exist print index of it Importjava.atil. Scanner; Public class Find chasait exins foing & Public Static roid mais (String Margs) & Scannes input = new drannes (system. in); 878 Em. oul. Print ("enter string:"); Storing Str = input. Next Entel); 848tem. cent. Print l'autes-chas to seach! ); Chaq (= input. Nerf (). chan At-(0); rud index=-1; for (inti=0; 18tr. logth(); ++)2 % (8to. chan Afci) == (){ index=i; 3 break;

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of (: rdex > =0) }
                      System. out. Print In (c+' found in index: "tinden);
                      Telses
                         system out printing chan not found");
         Input: Enter Storing: I am a Programmer
                  enter char to seench! P
          output: p found : Modex! T.
         write a Program to Print below Patters.
          I wport Jarg. util. Scarner;
           Public class Number Rateur &
             Public static void num (8 fring[] ags) &
                  Scarner & uput = now Scanno Cogo Em. In);
                   int h = input . nextint();
                    for (:Wi=1;12=2*n-1;1+1){
                         TW num = 1 1= h ? 1: 2*h-i;
                     for (int 5 = 1; i L= num; j++) {
                         System. out. Proint (nun+ ");
                      · System · out · parint [nc];
          FIRM
          output:
                     4444
vivo Y20G
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Program to find whather given number is agreeting and (9) I MPort java alil. Somnessi Public Blass fore trongruma Public static void main (string Mangs) & Scannes input = New Scannes (Byolan in); int n = input next ( n+1); i wt asm = 0,8 num = n; while (nam 20) & int digit = num / 10) asm + = digit \* digit digit; num /= 10; "d (n== aam) f. & system out-print In ( assestrong hum"); 3 3 3 gs fam. out. Println(" not asus frong"); InPut: 153 output: Armstrong hum. write program to assurge Cottons of alphabeticaly: n revelse order Infort gava. alil. Sanner; Emport Sava wil Arrays; Public class reverse alphabel 2 Public 8 fatic void main (8tring 170998){ · Scannes input = new Scances (8 ys tim. in); char (5) and = input. nextliner) to charloway(); Prorays. Sort (arr); for [: ht := ard. length - 1; i>=0; i--){ of System. out- Parint (arr LiJ+"); vivo Y20G

INPUT: MOSAUE out Put: USBOME corite program to string from eyes display same string after removing vowels I report Jana atil. Scenner; Public class Remove vousels? Public edos static Void mais(stringfjaggs)? Scannes input = new Scannes (System. in); String result = Typul. Next Like(). replace All (" 2. System. out. Print in l'étring without vousels: "tresult); [ aei ou AElou] " ") Input! one can play the game output: wen ply the gm corite program to print hallow Square dollar patters Im Port java atil. Scanner; Public class Hollow Square & Public 8 falic void main& 8 canner input = new 8 canno (8 yo ban .in); charl = input. norf1).charAfco); for (: Njel; jz=5;j++){ System. out - print([i==1/1]==1/1;==5/] == 5? (:")+""); 3 8ystem out print In(); out put: \$ \$ \$ \$ vivo Y20G