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ASSIGNMENT
                         Reg. No: 192325024
                          Lourse. Code: (SA O 190
02/08/
  1. Factorial of 11:
    import java. Util. Scanner;
    public Class Main &
       Public Static Void main (String [] axgs) }
       Scannes iput = new Scannes (System.in);
       int Fact = 1; A;
        System. out. print ("Enter the number: ");
        int n = iput. nextInt;
        For (int i = 0; i = n; i++) {
               Fact * = 1;
        System. out. println ("Factorial of" + 50.80.80.40.
                           "Factorial of Jact) Hodo
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Name: A. AFYan

a) Print the pattern: import java-util. Scanners public class Scanner & Public Static Void main (String [] args) & Scanner iput = new Scanner (System.in); System. out. println ("Enter the No. of Yours: "); int n = iput. next Int; Fox (int i= 1; i (=n; i++) 5 FOX (int j=1) j == i; j++) { System. out. println (K ** K + " "); System.out.println();

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30 No. of Composite numbers in an arra
   of elements:
  Public Class Coposite &
     public Static Void main (String [] args) &
     int[] arr = $ 16,27, 18, 16,23, 21, 109;
   For (int num: arr) }
      if (is Composite (num)) &
          Count ++;
    System. out. println (" No. of Composite numbers: "
                            (ount);
    public Static boolean is Coposite (int num) &
     if (num 2=1) &
       Yeturn False;
     For (int i= a; il= Math. Sart (num); i++) [
         if (num % i == 0) }
              Yeturn True;
          Yeturn False,
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Find not odd num after nodd numbers Infort jara atil Scarrer; Public class find not odd number & Public static void main (string prosque) q INt n= new Scannes (System. in). next Int (); int result = n*H-1; System out- Prints (n+ "the odd num ofter"+n+" oddrums=" tresult); Input: 4 output: Leth odd now often Hoddnams = 15 possent in string or not fat exist print index of it Importjava.atil. Scanner; Public class Find chasul enins toing ? Public Static void mans (String Mags) & Scannes ruput = new Scannes (system. in); System. out. Print ("enter string:"); Storing Str=input. Next Ente(); 8 ystem. coul. Print ("onteg-chan to seach!"); chas (= input. next (). (has At-(0); rud Thdex=- 5 for (inti=0; 18tr. logth(); ++)2 % (8to. chan Afci) == (){ index=ij 3 break;

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of (: rdex > =0) }
                    System. out. Println(c+'found:ninder: 'tinder)
                    Jelses
                      system out println( chas not found);
       Input: Enter Starting: I am a Programmer
                exterchar to seench! P
        output: Pfound: Modex: 7
   6. as rite a Program to Print below Patters.
         I mport Para wil Scanner;
         Public class Number Ratters &
             Public static void main (8 foing FJ ags) &
                Scanner : April = now Scannos (898 Em. 12);
                  out & = input . next (n);
                   for (:Wi=1;11=2*n-1;1++){
                       TW num = 1 1= h ? 1: 2*h-i j
                    for (int s=1;12=num; 1++)?
                       System. out. Proint (nun+ ");
                   . System. out. parint [n1];
        output:
                   333
                   4444
                   5 8 3
                   22
vivo Y20G
```

to find whether given I wport java atil Scanner; Public Blass forms from num & Public static void main (string 17 aggs) { Scannes input = now Scannes (8 ys Com in); int n = input . ref () int asm = 0,8 num = n; while (num 20) & int digit = num / 10) asm + = digit * digit digit; num (=10; if (n == alm) f. & 848 tim out-print In (agress frong hum"); elses System out . Println (" not asses frong"); 333 InPut: 153 output: Armstrong hum write program to arrange Cottons of alphabelicaly in revelse order. Infort gava alil. Sanner; ENPORT Para atil Arrays; Public class reverse alphabel & Public 8 Patic Void main (String 1) aggs) · Scannes input = new Scanucas (8 ye tom. in); char f5 and = input. nextliner) to charkforay(); Prorays. Sort (arr); for [:hl :=arr. longth - 1; i>=0; i--){ & System . but - Print (arr LiJ+"); vivo Y20G

InPut: MOSQUE out Put: USBOME 9) cori le program to string trom exer display same string after removing voccels I uport : jana atil. Scanner; Public class Remove vousels? Public edos static Void main(stringfjorgs)? Scannes input = new Scannes (System in); Storng result = TAPat. Next Like(). replace All (" 3. System. out. Print (n ('string without vowels: "tresult); [aei ou PElou];" Input: one can play the game output: wen ply the gm corite program to print hollow Square dollar patters (10) Im Port java al: 1. Scanner; Public class Hollow Square & Public Static void mains 8 canner input = new 8 canno (845 ban . In); charl = inpul. norf1).charAf(0); for (: Njel; jz=5;j++){ System. oul. print[[i==1/];==1]];==5]] ==5? (: 11)+""); 3 8ystem out . print In(); out Pit: \$ \$\$\$ vivo Y20G