write a program to reverse a word using. loop? Not to use inbuilt functions. Sample Input: string: Temple 1.4.1 sample: Output: are it is Reverse string. Elpmet. Seanner. Input = new scanner (system. in); string name = input. next Line ();
string empty = "; Int. den= name. length (); for (int i = len-1>=0;i--) · empty = empty + name. charA L(i); 7 system. out print (empty);

All write a program to find the sun of digit of in digit number (sum should be sigle digit) Sample input: Enter N Value: 3 Enler 3 dgit number: 143 A. T. M. . Z/ " . . e. c. Sample out put: Som of 3 digit number: 8 Scanner input = new Scanner (system in); int no input. next Intu; int sum =0; while (n1=0) { int rem = n/, lo ; Sum = sum trem; N=x/10; system. out. print. in (sum):

write a program to find the Square root of a perfect square mumber (print both the Pasitive and negative values? Sample Input: Enter the number: 6561 sample of puts of police in Square Rot: 81, -81, . 113 port import Java lufil. Scanner; Import Java. lang. math; Public Class at 1000 all 1 194 too notice { public static void main (string args[]} Scanner input = new scanner (system. in); double n= input: next int(); double ogrt = math. pow (n, 0,5) dauble 1 89 = math , 89rt (n); System aut in printin (, squetti, "+- '+sque); 1.1 . 1 41 , 1 · 1 /1/01 - (1/01/) the state of the s

49. Binary number and octal number + Public class Binary & Public Static rold main (sking() ang 1); int dec = 13; sking bin = integer to Binary sking cdect; sking oct = integer to octal sking(dec); System. out . printin (" Binary number = " + bin"). System. out printin ("octal number = "+OCH); (Oz janis) Transport and Just the second BONUS :on he at a become baplic clara Bounas Dublic static void main (shing c) ansus scanner input = news canner carriem. in): inta, b; clouble bonus = 0; System. out. Print (" "); Chan are popula

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System out bright (" ")
Parts = input next ent ();
PF (a1 = 'A')
1
 bunus = b' + (0.05);
  if (b/2 100000)
    L
     bonous = bonus + b14 (0.01);
  3
  System. out. printin ("salary = " +b, ");
  System, out printin ("bonys - "+ bonus);
  System. out printin ("total to be paid =
         " + (P'+POUNT).)?
 Else if (a) == 'B')
ſ
  Bonow = 61 + (0.1);
   if (b/210000)
    pount = pount + p, (0.05)?
```

+3) write a program for matrix tis lynn logai . . + 187 multiplication? Sample input: mat /= 12 Mat 2 = 2 3 .. 100001 Sid) IT Sample . ( cutput +: 1 - 1000 + 10000 + mat sum = lo 5 Scanner input = new scanner int = input; heat into ? lua myste? int & = hpiti next int Do notes Intermated + [] = new int [v] [c]. mt - mat 2[] [] = new. nt [v][c]; for (int i=0; i2rd; i++,)) 11 1113 for (int 1=0; 1<4; 1++) mat | [i] [i] = in Rut, next nt(); for (int 10 8=0; 12 ) 1++)20101

mat 2 [i] [i] = input. next ent(); ] int sum [] [] = new int[r][c]; for (int 1=0; ilr; i++) for (int. 15=0; 150; 1++) mat a [i] [i]= in put, nex Int(); io= [i] [i] muz tor (int k=0; kco; k++) of Sum [i] [i] = Sum [i] [i] + mat 1 [i] [k] 4 mat2[k][i]]: System. out. print (sum (i] [s] + " 1+"); System. out. Print in(); 44) write a program to point inverted pyramid Pattern. Scanner input = new Scanner ( system in); int n=input next int (); for (intian; i>=1) i--) (++i; i=0:12n-i; i++) I system. out. print (" ").

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System, out print In();
    write a program to count all the
    prime and composite numbers entered
1.
    by the user
    Sample input:
    Enter the numbers.
    98
    23
    sample out put:
        Composite number: 3
    Prime number:5
   int am []= {4,54,29,7,7,7,59,98,23};
   int (com =0, pri=0)
   for cint 1=0; 1 2 arrillength; ++)
    for cint 1=1; 1 £ an [i] : i+t)
      it (ar Li] & j==0}
```

13 9c>13 Com ++; else Pri++; system aut, print (" composite number: "+ com); system.out, print ("In prime number: " pri); 2. Find the 19th maximum number and 18th minimum number in an array and then tind the Sum of it and difference of it. Simple input: Array of elements = { 14, 16, 87, 36,25,89,34] MEI sample out put: 1st maximum number=89. 3rd minimum Number = 25 Sum = 114. oifferen 6=64. int am [] = { 14, 16, 87, 36, 25, 89, 343) Int. len = arr. length; for (int i=o: iclen: i++) { for (int j=1+1) 1 clen; j++) { It Carrilli > arr [1]) of. Int temp = an [i]; ar Ei] = ar Ei] arr Ci] = Lemp',

int m=1, n=3; int max = arx [len-m]; int min = arr [n-1]; System at Print (mt maximum number = + max) System. at. print (u/ "+" minimum number= +min Int Sum = manx + min; int Diff = max - min; System. out. Print (" In sum = "+ sum); System, out. Print (" / n Difference = "+ Diff)" 3) write a program to print the total amount available in the ATM machine with the conditions applied. Total denominations are 2000, 500, 200, 100 get the denomination priority from the user to display the total available balance to the user sample input: Enler the 1st Denomination: 500 Enter the 1st Denomination number of notes #4

Enler the 2nd Denomination: bo Enter the 2nd penomination number of notes: 20 Enter the 3rd Denomination number of notes: 3 Enter the 4th Denomination: 2000 Enler the 4th Denomination number of notes: 1 Sample out put: Total Available Balance en ATM: 12400 Int 1=500, d1=4, h2=100, d1=20, n3=200/ d3=32, n4=2000, d4=1; Int Total = (n likdi) + (n 2 &d 4) + (n 2 &d 3) + (n 4 &d 4); System. Out. print ("Total Available Balance in ATM: "of Total)) (4) write a program using choice to wheek. case: 1: hiving string is palindrome or not Case: 2: Priven String is Palindrome or not Sample Input: Case =1

String = Madam ... r de la companya del companya de la companya del companya de la co Sample out put Palindrome. String , SI = "MADAM" String Si= "
in L lea = Sl. length (): for (int i = lea-1; i>=0; i--)  ${S_2 = S_2 + S_1 \cdot \text{char At}(i)}$ if (sl. equals (s2)) System. out print ("palindrome"); System. out. Print. ("Not palindrome");