Codo: CSA 0993

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1. Write a program to severse a word using loop?
Import java util scanner;
   Public class reverse string [
        Public staric void main (string [] orgs){
           scanner input = new scanner (system.in):
           string name = input. Nextline();
           string reversed = "";
          for int i=name.length()-1; i>=0; i--);
               teversed + = name char At(i);}
           system. Out. print (reversed);
           input. close (); }
Input: Temple
Output: elpmeT
2. Check entered user name is valled or not
Import java.util.sconner;
Public class validate username?
     Public static void main(string[]args)[
        scanner input = new scanner (system in);
        system. out. print ("anter user name;");
       string si = input input input line ();
       system. outprint ("enter username:");
       string s: input, nextline ();
       of (s. equal(se)) {
          system.out.print ("username is valid");}
       else
```

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system.out.print ("User name is invalid");
       input. close (); 3
 Output:
       Jes@ 001
       SeJ@001
      -> user name is valid
 3. Reverse a number;
  Import java.util.scanner:
  Public class reversenumbers
      Public static void main (string F, args){
          scanner input = new scanner (system in);
          int n= input. next Int();
          ant rev=0;
          whale (n! =0){
              rev=rev+10+n%10;
              n/=10;}
          systemoout.print (rev);
          Input-close(); ]
  Input: 12345
  Output: 54321
4. To find the person is eligible to vote or not.
Import java util scanner;
Public class votingeligiblity?
    Public static void main (string [] args) {
       scanner input = newscanner (system, in);
       system. out. print ("enter your age");
       int age = input. nextint();
       if (age <=0){
          system out print ("entor Above correctly");
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else of (age >18) {
                system.out.print ("an elfytble to vote");}
            else {
               system.out.print ("allowed to vote after" + (18 -age) + "years"); }
      input, close();}
Output:
     Enter Your age: 21
     - oligible to vote
5. Find LCM and GCD of n numbers:
Import javasutil Scanner;
Public class GCD_LCM{
      Static. int gcd (int a, int b) {
          return a (b/ged (a,b)); 3
      public static void main (string [] args){
         scanner input: new scanner (system. in);
            ant n= anput next int();
            int gcd = input :nent int();
            ant Icm=gcd;
            for (int ==1;ixn;i+){
               int num=input.next int[];
               gcd=gcd (gcd, num);
               lcm= km [1cm, num]; 3
           System.out-print in ("GxD ="+gcd);
          System.out.println ("LCM="+1cm);
          Input (lose();}
Output:
      G(D=1
      LCM=276
```

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6. Print right triangle star pattern:
 Import java util Scanner;
      public class right triangle star patterns
          Public static void main (string[]args){
              Scanner input = new scanner [system, in];
             int n=input. nextlinel;
             for (int i=1; iz=n; 1++){
               for (int j=1; j <=1; j++){
                  system.out.print (" * "); }
            System out. print (n); 3
        input close(); }
Output: 5
7. Pascal triangles
Import gava. util , scanner.
    public class pascal triangles
        public static void main (string[] args) f
            Scanner anput = new scanner (system.in);
             ant h= anput. nortant();
            for (int i=0; i <n; 9++){
               for (int s=0; s<n-i-1; s++){
                   System_out.print ("");}
              9nt a=1;
             for (int j=0; j <=i; j++){
                 System.out.print (at"1);
```

```
a= a* (i-j) / (j+1);}
              system.out.println();3
          input.close(); }
Output: 5
8. Write a program using function to calculate simple intrest.
Import javaoutil scanner;
Public class-simple Interest calculators
   public static double calculate interest (double)
   principal-int year, boolean is sensor citizen {
      double rate = 4s sensor citizen?
       return principal + rate + year; }
Public static void main (string [] args) {
    Scanner input = new scanner (system in);
    double prancapal = anput. next Double();
    system.out.print ("enter no. of years:");
    system. out, print ('is customer senior citizen(Y/N):");
    boolean's sentor citizen; iput next();
    equals agnore case ("y");
   double interest = calculate luteres
          (principal, years, is sentor citizen);
```

```
System. out .principle ("interest: ", + interest);
         input, close(); 3
Output:
     enter principal amount; 20000
     enter no. of years: 3
     is customer sensor citizen (Y/N): N
     Interest: 60000.0
9. even sum of Fibonacci:
 Import java util scanner;
 Public class even fibonacci sum {
     Public static void Main (string [] args) {
       scanner input = newscann er (system.in);
       int n = input. nextint();
       9nt a=0, a=1, sum=0;
       for (a_1 = 0, a_2 = i < n+2; i++)
         9f (9% 2== 0) Sum +=a1;
         int a3 = a, ta2 ;
         a_2 = a_3;
    system. out. println ("sum:"+sum);
    input.close();3
Output: 4
```

Sum = 33

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in members from n to 0 by skip k numbers
Import java.util.scanner;
   Public class skipnumbers {
        Public static void main (string [Jargs) {
           Scanner input: new scanner (stem.in)
           Int m = input. next int();
           int n = input. next int();
           int k = input. next int();
          for (9nt 1=m; 9(=h, 9=k+1){
              system.out.print (+"");3
           input.close();3
     3
Input: 50
      100
      70
Output; 50,58,66,74,82,90,98
```