## CSA-0993 PROGRAMMING IN JAVA FOR APPLICATION DEVELOPMENT

REGISTER NO: 192324092

NAME : R. SABARISH

DATE: 24-07-2024

## 1. REVERSE A WORD USING LOOP :.

imposit java. util. Scanner

class Javas

public static void main (Storing [] args) {

Scanner input = new Scanner (System in);

Storing name=input.nextline();

Stoing empty = "";

int len = name. length ();

foorlint i=len-1; i7=0; i--)

{

empty = empty + name. charat (i);

3

System. Out. point (empty);

7

2

## OUTPUT:

Sabavush hsirabas

```
2. CHECK THE ENTERED USER NAME IS VALID ON NOT:-
  imposit java . util . Scanner;
 Mars Javaf
        public estatic vaid main (String [] args) {
             Scanner injut = new Scanner (Bystem in);
             String SI= input. neutline ();
             Storing Sa = input. nextfine ();
            if (SI == S2)
                 System aut point ("ruer name valid");
            else
                 System. aut. pount ("ruer name not valid);
 OUTPUT :-
        Saveetha@789
       Saveetha @789
       ruser name valid.
```

```
3. ROVERSE NUMBER:
impart java. util. Scanner;
class Java f
        public static void main (String [] args) {
              Scanner * input = new Scanner (System. in);
             int n=input. nextInt();
             int nev=0;
             while (n!=0)
                 int rem = n°1.10;
                 grev= grev * 10 + grem;
                 n=n/10;
             System. out. pount (ouv);
  OUTPUT:-
       7890
       0987
```

```
A) VOTING
    imposit fava util Scanner;
         public estatic void main (string [] angs) {
   class Java {
              Scanner input : new Scanner (system in);
              int age = input. nextInt ()
             if (age >:18)
                 System aut point ("you are eligible for vote);
            else if lage (=0)
                System aut point ("Entor the age correctly");
                 System. out. print ("your allowed to note after"+ (18-age
            else
OUTPUT:-
      you are eligible for note.
5) LCM & GCD :
  import java util Scanner;
  class Java {
        public estatic void main (String [] angs) {
              Scanner input = new Scanner (System.in);
             System att. print ("Enter the number of elements;");
             int n= input next Int ();
             int[] numbers = new Int [n];
              for (int i=0; i <n; i++) }
                 System. out. pount ("Enter number "+ (i+1) +":"):
                 numboustij=input.nextInt();
```

```
int gcd = numbers to ];
 foor (int i=1; izn; i++) }
      Icm = find LCM (Icm, numberstil);
      gcd=find GCD (gcd, numbers[i];
 J
  System. aut. pountln ("LCM="+1cm);
 System. aut. pount ("GCD = "+gcd);
public static int find LCM (inta, intb) {
       outurn a*b/find GICD (a,b);
7
public atatic int find GCD (inta, intb) {
          if (b==0) {
           return find GCD (b, a%b);
OUTPUT :-
Enter the number of elements: 3
Enter number 1:9
Enter number 2:12
Enten number 3:15
LCM = 180
G1CD = 3
```

```
6. RIGHT TRIANGLE PATTERN:
import java util Scanner:
public class Java ;
        public static unid main (String[] angs) {
             Scanner-input : new Scanner (System. in):
              int n=5
             for (int i=1; i = 5; i++) {
                  for (int j=1; j' = n-i; j++) {
            System.out.point ("");

3

for (int K=1; K=1; K++)
                 System. Dut. print ["* ");
   OUTPUT :-
           * * *
           * * * *
           * * * * *
```

```
7. PASCAL TRIANGLE
  import java util Scanner;
  public rlass
                 Java {
         public static void main (Storing [] augs) {
             Scanner input = new Scanner (System.in);
             int n=input.nextInt();
             for (int i=1; i <= n; i++) {
                  int a=1;
                   for (int S=1; S=n-1; S++) {
                         System. out. pount ("");
                  for (int j=1; j2=i; j++) {
                       System. out. pount (a+"");
                        \alpha = \alpha * (i-j)/j;
                  System. out. pount (n();
 OUTPUT :-
```

```
8 SIMPLE INTEREST
import java util Scanner;
public class Javas
         public static void main (Strings [] angs) ?
              Scanner input : new Scanner (System in);
              int poil = input. next Int ();
             unt year=input nextInt();
              char age = input next () charAt (0);
              double interest = 0.0;
              if (age == 'y')
                 interest = (poux year* 0.1)/100;
                 System. out. point (interest);
                  interest = (poux year * 0.1) /100;
                 System. out. point (interest);
OUTPUT :-
  200000
  600.0
```

```
9. Java Brogram to find Even sum of Flibonacci Suries
  import java util & canner;
   public class Java &
             public atatic void main (Storing [] args) {
                  int n=input. nextInt ():
                  int al=0, a2=1, a3;
                  int at J= new int [50];
                  for (int 1=0; 1210; 1++) }
                       atij=ai;
                      System. Out. pount (aci] +"");
                       a3 = a1+a2;
                         a1 = a2
                         \alpha 2 = \alpha 3;
                  3
             int osum = 0;
                                                            OUTPUT : .
             ofon (int i=0; i2n*&; i=i+2)
                                                            4
                                                             33
                sum = sum + atij;
        Obystem. aut. point ("thous); + sum):
```

```
10) PRINT m ton NUMBERS SKIPPING t numbers in between :-
 impost java. util. Scanner;
  public class Java &
            public atatic vaid main (String [] angs) f
                Scanner input = new Scanner (System in);
                 int m = input, next Int();
                 int n = input next Int ();
                int K= input. next Int ();
                for ("int i=m; i <= n; i=i+K+1) }
                     System. out. pount (1+"");
   OUTPUT :-
    50
    100
     7
    50 58 66 74 82 90 98
```