CSA099 – Java programming

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1. write a Program to reverse a word

```
import java.util.Scanner;
Public class reverse string
{
  Public static void main [string (]args)
  {
  Scanner input = new scanner (System.in);
  string name = input.next line ();
  string builder reversed = new string builder
  System.out.Print (reversed);
  }
  }
```

2 write a Program to check entered word name is valid or not

input - Sarath @ 789

```
Publi class user {
    Public static void main (string [] args)
  {
    Scanner input = new scanner (system.in)
    string S1 = input.nextline();
    string S2 = input.nextline();
    if (S1 == S2)
```

```
else
System.out.print(" user name is valid ");
}
}
```

3. write a program to reverse a number using loop

input: 14564

```
import Java.util.Scanner;
public class integer reversal
{
  public static void main [string [] args)
  {
    Scanner input = new Scanner (System.in);
    int n = input.next();
    int rev = 0;
    while (n!=0)
    {
      int rem = n.1 10;
      rev = rev* 10 + rem;
      n = n/10;
    }
    System.out.print n (" reversed integer: "+rev);
  }
}
```

4 write a program to find whether the person is eligible for vote or not

```
import java.util.Scanner;
Public class reverse string
{
  Public static void main (string (args)
  Scanner input = new scanner (system.in);
  intages= input.next();
  If (age>18)
  {
   System.out.print (you are eligible to vote);
  }
  else if (age > && age <=18)
  {
   system.out.print (" you are allowed to vote after (18-age) + " years");
  }
else
{
system.out.print (" Enter the age correctly");
}
}
}
```

5. Read the LCM and gcd of numbers

N value = 2

N1 = 16

N2 = 20

```
import java.math.BigInteger;
public class LCM_gcd_calculator
{
  public static void main(String[]args)
  {
    public static void main(String[]args)
    {
      BigInteger lcm = BigInteger.one;
      BigInteger :number)
      {
        lcm= lcm.multiply(number);
        gcd = gcd_(number).max(number);
        }
          System.out.println("lcm = "+lcm);
          System.out.println("gcd = "+gcd);
          }
          }
```

---

write program to print right triangle Star Pattern

Input n=5

```
Public class pattern
{
Public static void main (String [ ], arg)
{
int n=5
for (int i=1 ; i<=5 ; i++)
{
for (int j=0; j<=n-i, j++)
{
System.out.print (" ");
}
for (int k=0; k<=i ; k++)
{
System out print (" ");
}
System out Print ();
}
}
}
```

output

```
    *
   * *
  * * *
 * * * *
* * * * *
```

Pattern

```
Public class Pattern
Public static void main [String[] arg)
```

```
{
int n=5, i, j;
for (i=1; i<=n; i++);
{
System out print ln (" ");
}
from (j=1; j<=1; j++)
{
System out print (at " ");
a= a' (i-j) ]
}
System out print (n ();
}}
```

input

200000

8

n

output

60000

8 Simple intrest

```
Public class SI
{
Public static void main (string[]. args)
{
 scanner input =new scanner (System . in);
 int pri = 200000;
 int yr = 3;
 char ch = input. next() . charAt (0);
 double intrest =0.0;
 if (ch == "y"){
  interest = pri "yr" 0.12) |00 )
 System out . Print (interest); }
```

```
else
    interest = (pri * yr * 0.1) /100;
    system.out.print (interest);
}}}
```

9. Fibonacci sum.

```
Public class fibonacci sum.
{
Public static void main string [] args)
{
 int n= input .nextLine();
 int a1=a,  a2=1, a3.
 int  a[] new int [50];
 for [int i= 0; i<10 ; i++)
 {
   a[i]= a';
 system out print (a[i] + " ");
   aj = a++ a2;
    a1= a2;
    a2 =a3;
 }
   int sum=0
   for (int i =0, i<=n2; i =i+2)
 {
```

```
        sum= sum + a[i][j];
      }
      System.out.print("sum:" +sum);
    }
  }
  input =4
output =2 2
```

10 Numbers

```
Public class number{
  Public static void main (String [] arg){
int m=5, N=100, k=7;
   for (int i=m; i<=n; i=i+k+1)
  {
   System.out.print[i]+ " ";
   }
  }
}
```

input 50,100

output = 50, 58, 66, 74 ...