

① write the program to reverse a word using loop.

```
import java.util.Scanner;
```

```
class main {
```

```
    public static void main (String[] args) {
```

```
        Scanner name =
```

```
            Input = new Scanner (System.in);
```

```
        String name = Input.nextLine();
```

```
        String empty = "";
```

```
        int len = name.length();
```

```
        for (int i = len-1; i >= 0; i--)
```

```
        {
```

```
            empty = empty + name.charAt(i);
```

```
        }
```

```
        System.out.print (empty);
```

```
    }
```

```
}
```

24/07/2024

192371002

- ② write a program to check the entered user named is valid or not.

Noween.m.s

```
import java.util.Scanner;
```

```
class main {
```

```
    public static void main (String[] args) {
```

```
        Scanner input = new Scanner (System.in);
```

```
        String s1 = input.nextLine();
```

```
        String s2 = input.nextLine();
```

```
        if (s1 == s2)
```

```
            System.out.println ("user name valid");
```

```
        else
```

```
            System.out.println ("user name invalid");
```

```
    }
```

```
}
```

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③ write a program to reverse a number using

loop ?

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Naveen.m.s

```
import java.util.Scanner;
```

```
class main {
```

```
    public static void main (String[] args) {
```

```
        Scanner input = new Scanner (System.in);
```

```
        int n = input.nextInt();
```

```
        int rev = 0;
```

```
        while (n != 0)
```

```
        {
```

```
            int rem = n % 10;
```

```
            rev = rev * 10 + rem;
```

```
            n = n / 10;
```

```
        }
```

```
        System.out.println (rev);
```

```
    }
```

```
}
```

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④ write a program whether person can eligible  
to vote or not?  
192371002  
Naveen.m.s

```
= import java.util.Scanner;
```

```
class main {
```

```
    public static void main (String[] args) {
```

```
        Scanner input = new Scanner(System.in);
```

```
        int age = input.nextLine();
```

```
        if (age >= 18)
```

```
            System.out.println ("eligible to vote");
```

```
        else if (age <= 0)
```

```
            System.out.println ("enter the age correctly");
```

```
        else
```

```
            System.out.println ("eligible for vote" + (age - 18));
```

```
    }
```

```
}
```

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② write a program to print Right triangle star pattern?

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Naveen.m.s

```
= Import java.util.Scanner;  
class main {  
    public static void main (String [] args) {  
        Scanner input = new Scanner (System.in);  
        int n = input.nextLine().trim().length();  
        for (int i=1; i<=n; i++)  
        {  
            for (int j=0; j<=n-i; j++)  
            {  
                System.out.print(" ");  
            }  
            for (k=1; k<=i; k++)  
            {  
                System.out.print(" * ");  
            }  
            System.out.println();  
        }  
    }  
}
```

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⑥ write the program to print below patterns?  
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Naveen.m.s

```
=
import java.util.Scanner;

class main {

    public static void main (String[] args) {

        Scanner input = new Scanner (System.in);

        int n = input.nextLine ();

        for (int i = 1; i <= n; i++)
        {
            int a = 1;
            for (int s = 1; s <= n - i; s++)
            {
                System.out.print (" ");
            }

            for (int j = 1; j <= i; j++)
            {
                System.out.print (a + " ");

                a = a * (i - j) / j;
            }

            System.out.println ();
        }
    }
}
```

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Q write a program using function to calculate the  
simple interest?

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Naveen m.s

```
= import java.util.Scanner;  
class main {  
    public static void main (String[] args) {  
        Scanner input = new Scanner (System.in);  
        int pri = input.nextLine();  
        int year = input.nextLine();  
        int age = 50  
        double interest = 0.0;  
        if (age == 'Y')  
        {  
            interest = (pri * year * 0.12) / 100;  
            System.out.println (interest);  
        }  
        else  
        {  
            interest = (pri * year * 0.1) / 100;  
            System.out.println (interest);  
        }  
    }  
}
```

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⑧ Java program to find the even sum of fibonacci series till number N? 192371002  
Navreen.m.s

```
=
import java.util.Scanner;

class main {

    public static void main (String[] args){

        Scanner Input = new Scanner (System.in);
        int n = Input.nextLine();
        int a1 = 0, a2 = 1, a3;
        int a[] = new int[50];
        for (int i = 0; i < 10; i++){
            {
                a[i] = a1;
                System.out.println (a[i] + " ");
                a3 = a1 + a2;
                a1 = a2;
                a2 = a3;
            }
        }
        int sum = 0;
        for (int i = 0; i <= n * 2; i += 2)
        {
            sum = sum + a[i];
        }
        System.out.println ("Sum: " + sum);
    }
}
```



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Q) write a program to print the numbers from  $m$  to  $n$  by skipping  $k$  numbers.

Navem, m's  
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```
= import java.util.Scanner;  
class main {  
    public static void main (String[] args) {  
        Scanner Input = new Scanner (System.in);  
        int m = Input.nextLine();  
        int n = Input.nextLine();  
        int k = Input.nextLine();  
        for (int i = m; i <= n; i = i + k + 1)  
        {  
            System.out.println (i + " ");  
        }  
    }  
}
```

}

}

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⑩ find the Lcm and Gcd of n numbers?

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```
=  
import java.util.scanner;  
public class ac {
```

```
    static int gcd (int a, int b)  
    {
```

```
        if (a == 0)
```

```
            return b;
```

```
        return gcd (b%a, a);
```

```
    }
```

```
    static int findgcd (int a[], int n)
```

```
    {
```

```
        int res = a[0];
```

```
        for (int i = 0; i < n; i++)
```

```
        {
```

```
            res = gcd (res, a[i]);
```

```
            if (res == 1)
```

```
                return 1;
```

```
        }
```

```
        return res;
```

```
    }
```

```
    public static void main (String[] args)
```

```
    {
```

```
        Scanner input = new Scanner (System.in);
```

```
        int n = input.nextLine();
```

```
        int a[] = new int [n];
```

```
        for (int i = 0; i < n; i++)
```

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{

a[i] = Input.nextInt();

}

System.out.println(findgcd(a, n));

int gcd = findgcd(a, n);

int mul = 1;

for (int i = 0; i < n; i++)

{

mul = mul \* a[i];

}

int lcm = mul / gcd;

System.out.println(lcm);

}

}

}