

JAVA Basic PROGRAMS

1].

FIBBONACCI SERIES IN JAVA:

ATUL KUMAR (LINKEDIN).
NOTES GALLERY (TELEGRAM).

```
class fibonacciExample {  
    public static void main (String args[])  
    {  
        int n1 = 0, n2 = 1, n3, i, count = 10;  
        System.out.print (n1 + " " + n2);  
        for (i = 0; i < count; ++i)  
        {  
            n3 = n1 + n2;  
            System.out.print (" " + n3);  
            n1 = n2;  
            n2 = n3;  
        }  
    }  
}
```

Output:

0 1 2 3 5 8 13 21 34

2].

PRIME NUMBER PROGRAM IN JAVA:



```
public class PrimeNumbers {  
    public static void main (String args[])  
    {  
        int i, m = 0, count = 0;  
        int n = 3;  
        m = n/2;  
        if (n == 0 || n == 1) {  
            System.out.println (n + " is not prime num");  
        }  
    }  
}
```



```

else {
    for (i = 2; i <= m; i++) {
        if (n % i == 0)
        {
            system.out.println(n + " is not prime number");
            count = 1;
            break;
        }
    }
    if (flag == 0) {
        system.out.println(n + " is prime number");
    }
}

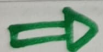
```

Output:-

7 is prime number.

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3]. FACTORIAL PROGRAM IN JAVA:



```

class factorialExample {
    public static void main (String args[]) {
        int i, fact = 1;
        for (i = 1; i <= number; i++) {
            fact = fact * i;
        }
        system.out.println ("factorial of + number +  
" " is " + fact);
    }
}

```

Output:-

Factorial of 5 is 120.

4].

PROGRAM OF PRINT HALF PYRAMID USING ★ :

```

Public class main {
    Public static void main (String[] args) {
        int rows=5;
        for(int i=1; i<=rows; ++i) {
            for(int j=1; j<=i; ++j) {
                System.out.println("X");
            }
            System.out.println();
        }
    }
}

```

Output:-

```

★
★ ★
★ ★ ★
★ ★ ★ ★
★ ★ ★ ★ ★

```

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 NOTES GALLERY (TELEGRAM)

5].

PROGRAM TO PRINT HALF PYRAMID USING NUMBERS :

```

Public class main {
    Public static void main (String[] args) {
        int rows = 5;
        for(int i=1; i<=rows; ++i) {
            for(int j=1; j<=i; ++j) {
                System.out.println(j);
            }
        }
    }
}

```

SWIPE



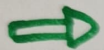
Output:-

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

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6].

JAVA PROGRAM TO GENERATE MULTIPLICATION TABLE:



```
Public class multiplication Table {
    Public static void main (String[] args) {
        int num = 5 ;
        for (int i = 1 ; i <= 10 ; ++ i)
        {
            System.out.println ("%.d * %.d = %.d \n",
                                num, i, num*i);
        }
    }
}
```

Output:-

```
5 * 1 = 5
5 * 2 = 10
5 * 3 = 15
5 * 4 = 20
5 * 5 = 25
5 * 6 = 30
5 * 7 = 35
5 * 8 = 40
5 * 9 = 45
5 * 10 = 50
```


7].



PROGRAM TO GET CURRENT DATE & TIME :

```
import java.time.LocalDateTime;
Public class currentDateAndTime {
    Public static void main (String [] args) {
        LocalDateTime current = LocalDateTime.now();
        System.out.println("Current Date & Time : "
            + current);
    }
}
```

Output:-

Current Date & Time is : 2023-01-01 12:00:00

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8].



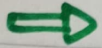
JAVA PROGRAM TO REVERSE A NUMBER:

```
Class Main ( )
Public static void main (String [], args)
{
    int num = 1 2 3 4, reversed = 0;
    System.out.println("Original number;" + num);
    While (num != 0) {
        int digit = num % 10;
        reversed = reversed * 10 + digit;
        num /= 10;
    }
    System.out.println("Reversed number:" +
        reversed);
}
```

Output:-

Reversed number : 4 3 2 1

9].

PROGRAM TO FIND AVERAGE OF NUMBER USING ARRAY:

```
Public class JavaExample {  
    Public static void main (String [] args )  
    {  
        double [] arr = {19, 12.89, 16.5, 200, 13.7};  
        For (int i = 0; i < arr.length; i++)  
        {  
            total = total + arr[i]  
        }  
        double average = total / arr.length;  
        System.out.format ("the average: %.3F",  
                           average);  
    }  
}
```