

Day 18 :

Program 1: Write a Program to Swap two entered number without using a third temporary variable.

Input: 10 30

Output:

Before Swap: a = 10 & b = 20

After Swap: a = 20 & b = 10

Program 2: Write a Program that calculates Kinetic Energy of object with given Mass &

Velocity. {Note:  $K.E. = \frac{1}{2} * m * v * v$ }

Input: Mass = 53kg

Velocity = 5m/s

Output: Kinetic Energy of that Object is: 662.5

Program 3: Write a Program to that accepts two integers from user and calculates the Quotient &

Reminder from their division

Input: 10 5

Output:

Quotient: 2

Reminder: 0

Program 4: Write a Program to Print following Pattern.

```
7
7 6
6 5 4
4 3 2 1
```

Program5 : Java Program to print Odd and Even Numbers from an Array (take array hardcoded as

int arr[] = {1,2,3,4,5,6})

input : int arr[] = {1,2,3,4,5,6}  
output : odd elements : 1,3,5  
Even elements: 2,4,6

Program7 : Java Program to print Odd and Even Numbers from an Array use scanner class for taking array elements

output : odd elements : 1,3,5  
Even elements: 2,4,6

CodeGen Technologies