

# DailyFlash 14

**Please Take all the Inputs from user**

**Submit the codes before 12 Am**

**Use gitlab to PUSH codes**

**C2w gitlab account : c2w.extras**

**Add this as maintainer in your project repo**

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Program 1: Write a Program to Swap two entered numbers 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 an 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
```

Program 5: Write a Program that calculates addition of two complex numbers.

Input:

Enter Number 1:

Real Part: 5

Imaginary Part: 3

Enter Number 2:

Real Part: 2

Imaginary Part: 1

Output: The Addition of  $5+3i$  &  $2+i$  is  $7+4i$ .