

TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES

QUEZON CITY

COLLEGE OF COMPUTER STUDIES

ITE 012 - Computer Programming 2

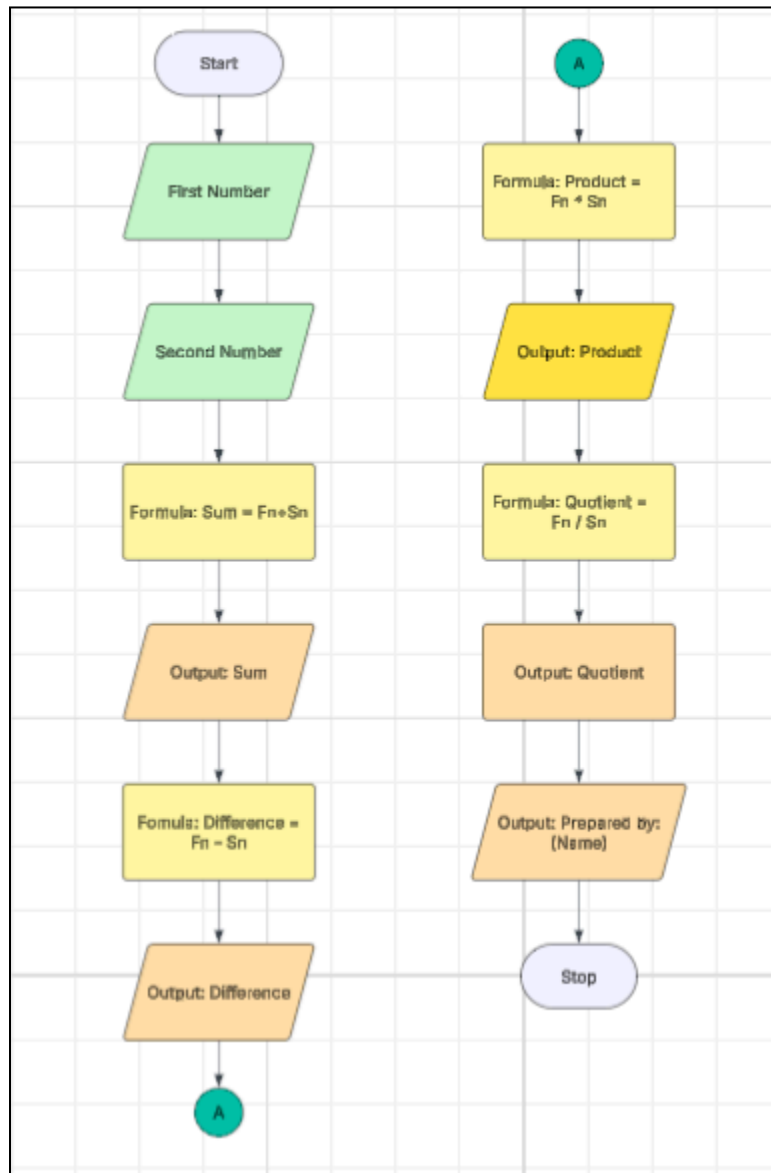
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Course & Section: IT12S1	Instructor: Karen Joyce Ison
Assessment Task: Practice Exercise # 2 - Algorithm and Flowcharting	

Solution:

Algorithm:

1. **Start**
2. **Input** First number (F_n)
3. **Input** Second number (S_n)
4. **Process** $\text{Sum} = F_n + S_n$
5. **Print** Sum
6. **Process** $\text{Difference} = F_n - S_n$
7. **Print** Difference
8. **Process** $\text{Product} = F_n * S_n$
9. **Print** Product
10. **Process** $\text{Quotient} = F_n / S_n$
11. **Print** Quotient
12. **Print** Prepared by: (your name)
13. **Stop**

Flowchart:



Program Code:

```
import java.util.Scanner;

public class Main {
    public static void main (String[] args){
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter First Number: ");
        int firstNum = scanner.nextInt();

        System.out.print("Enter Second Number: ");
        int SecondNum = scanner.nextInt();

        int Sum = firstNum + SecondNum;
        System.out.println("Sum: " + Sum);

        int Difference = firstNum - SecondNum;
        System.out.println("Difference: " + Difference);

        int Product = firstNum * SecondNum;
        System.out.println("Product: " + Product);

        int Quotient = firstNum / SecondNum;
        System.out.println("Quotient " + Quotient);

        System.out.println("Prepared By: Aldred Zymeth P. Navarro ");
    }
}
```

Output:

```
Enter First Number: 12
Enter Second Number: 12
Sum: 24
Difference: 0
Product: 144
Quotient 1
Prepared By: Aldred Zymeth P. Navarro

...Program finished with exit code 0
Press ENTER to exit console.
```

Honor Pledge

"I affirm that I have not given or received any unauthorized help on this assignment and that this work is my own".