Step-by-Step Guide to Create the Application

☑ Step 1: Log in to Salesforce

- Go to https://login.salesforce.com.
- Log in with your credentials.
- Ensure you are in a **Developer Edition** or **Sandbox** environment.

2. After Logging In:

- You will be on the **Salesforce Setup/Home page** (not Trailhead).
- At the top-right corner of the screen, click on your **avatar/profile picture**.
- Select **Developer Console** from the dropdown.

🛠 This will open a new window called **Developer Console**, where you can write and execute Apex code.

Step 3: Create an Apex Class

1. In Developer Console:
   - Click `File > New > Apex Class`.

     Sabke class ka naam alag hoga niche wala addition ka hai…

   - Name it: `AddTwoNumbers`.

2. Paste the following code: jo bhi code mila ho addition , substraction, multiplication……

```
public class AddTwoNumbers {
  // Method to add two numbers
  public static Integer add(Integer a, Integer b) {
    return a + b;
  }
}
```

Step 4: Create an Apex Anonymous Block to Run the Code

1. In Developer Console:
   - Click `Debug > Open Execute Anonymous Window`.
2. Paste the following code:

```
Integer result = AddTwoNumbers.add(10, 15);
```

System.debug('The result is: ' + result);

Step 5: View the Result

- In the **Logs** tab:
  - Open the latest log.
  - Use **Ctrl+F** to search for `USER_DEBUG`.

13. Subtraction of Two Numbers

```
public class SubtractionDemo {
    public static Integer subtract(Integer a, Integer b) {
        return a - b;
    }
}
```

Execute:

```
Integer result = SubtractionDemo.subtract(20, 5);
System.debug('Subtraction result: ' + result);
```

---

14. Multiplication of Two Numbers

```
public class MultiplicationDemo {
    public static Integer multiply(Integer a, Integer b) {
        return a * b;
    }
}
```

Execute:

```
Integer result = MultiplicationDemo.multiply(4, 6);

System.debug('Multiplication result: ' + result);
```

---

15. Division of Two Numbers

```
public class DivisionDemo {
    public static Decimal divide(Decimal a, Decimal b) {
        if (b != 0) {
            return a / b;
        } else {
```

```
            return null;
        }
    }
}
```

Execute:

```
Decimal result = DivisionDemo.divide(10, 2);
System.debug('Division result: ' + result);
```

---

16. Add, Subtract, Multiply, Divide Together

```
public class AllOperations {
    public static void calculate(Integer a, Integer b) {
        System.debug('Addition: ' + (a + b));
        System.debug('Subtraction: ' + (a - b));
        System.debug('Multiplication: ' + (a * b));
        if (b != 0) {
            System.debug('Division: ' + (Decimal.valueOf(a) / b));
        } else {
            System.debug('Division: Cannot divide by zero');
        }
    }
}
```

Execute:

```
AllOperations.calculate(20, 4);
```

---

17. Display Multiples of 5 (Table of 5)

```
public class TableOfFive {
    public static void display() {
        for (Integer i = 1; i <= 10; i++) {
            System.debug('5 x ' + i + ' = ' + (5 * i));
        }
    }
}
```

Execute:

```
TableOfFive.display();
```

---

18. Display Multiples of 10 (Table of 10)

```
public class TableOfTen {
    public static void display() {
        for (Integer i = 1; i <= 10; i++) {
            System.debug('10 x ' + i + ' = ' + (10 * i));
        }
    }
}
```

Execute:

```
TableOfTen.display();
```

---

19. Print a Welcome Message

```
public class WelcomeMessage {
    public static void showMessage() {
        System.debug('Welcome to Apex Programming Language of Salesforce
Platform');
    }
}
```

Execute:

```
WelcomeMessage.showMessage();
```