Apex +increase input by 10

Goal:

You are expected to:

* Use Salesforce and Apex to build a basic application
* Create an Apex method that takes a number as input and increases it by 10
* Test and demonstrate that the code works using Salesforce Developer tools
* ✅ Write and demonstrate Apex code (Salesforce's own programming language) to perform simple calculator operations like add, subtract, multiply, and divide

**What Is Salesforce?**

🔹 Salesforce is a cloud-based Customer Relationship Management (CRM) platform.  
🔹 It helps businesses manage leads, customers, sales, and services all in one place.  
🔹 It’s highly customizable using built-in tools and code (like Apex).  
🔹 Companies use Salesforce to automate workflows, store customer data, and build apps — all in the cloud.

**What Is Apex?**

🔹 Apex is a programming language developed by Salesforce.  
🔹 It’s similar to Java and is used to write custom logic on the Salesforce platform.

In short :

Step 1: Created a Free Salesforce Developer Account to get access to the full Salesforce platform for development and testing

**Step2: Opened the Developer Console, Salesforce's built-in code editor to write and run Apex code**

**Step3:** **Wrote a Custom Apex Class Created a class called SimpleCalculator**

**It included four methods (add, subtract, multiply, divide) using a switch statement**

**Division method handles divide-by-zero safely**

**Step4:** ** Used Execute Anonymous Window to run test inputs like 20 + 5, 20 / 5**

** Viewed outputs using System.debug in logs**

**this showed my calculator logic works inside Salesforce using Apex.**

What you're doing:  
Creating a free developer edition of Salesforce to access Apex coding tools.

Why:  
Salesforce doesn't allow Apex coding in a regular user account — you need a Developer org.

How:

1. Log into your Developer Org from: <https://login.salesforce.com/>

YOU now have a personal Salesforce playground to build and test apps.

step 2: Open Developer Console in Salesforce  
we are Accessing the place where you write and run Apex code.

Why:  
The Developer Console is the coding environment inside Salesforce.

Step3: Click setup-🡪 “Developer Console”.--> Writing a class in Apex that performs arithmetic operations.

Step4:Click File → New → Apex Class

Name it: CalculatorClass

Paste the following code and saveall:

public class IncrementByTen {

public Integer value;

public IncrementByTen(Integer initialValue) {

value = initialValue;

}

public void increment() {

value += 10;

}

public Integer getValue() {

return value;

}

}

Now we Using Apex’s “Execute Anonymous” window to run and test your code. to show that the calculator works — this is how you simulate calling Apex functions.

 In Developer Console → Debug → Open Execute Anonymous Window

 Paste this code and check “Open Log”:

IncrementByTen obj = new IncrementByTen(20);

System.debug('Before Increment: ' + obj.getValue());

obj.increment();

System.debug('After Increment: ' + obj.getValue());

Openlog-execute-debug only

You get the output