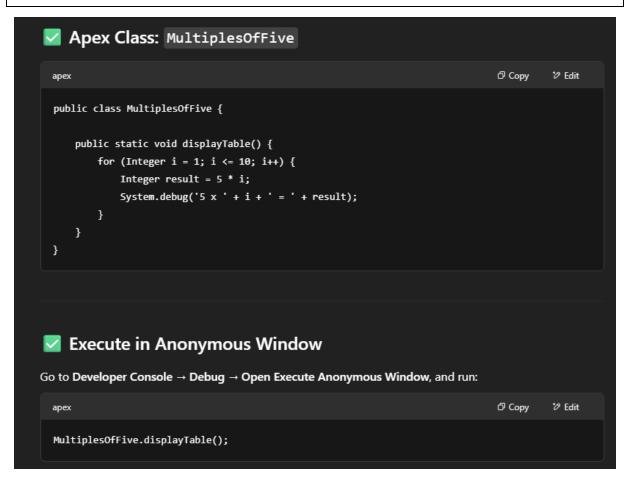


CALCULATOR (+-*/)

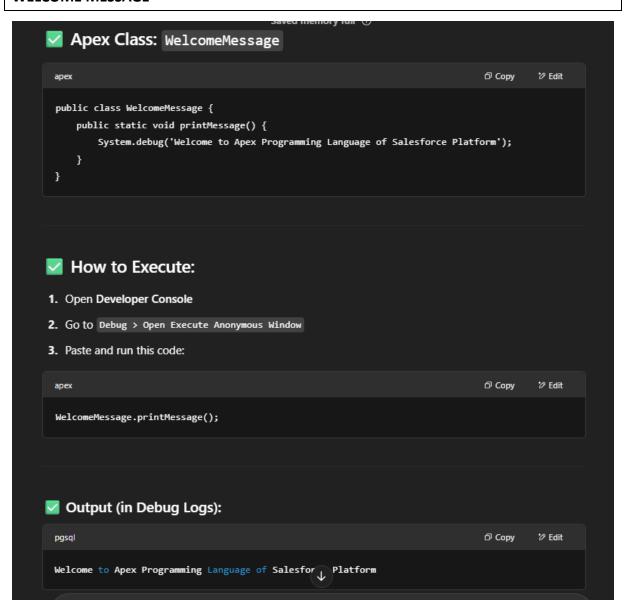
```
Apex Class: CalculatorExample
                                                                             🗗 Сору
                                                                                       ℃ Edit
 apex
 public class CalculatorExample {
     public static Integer add(Integer a, Integer b) {
         return a + b;
     public static Integer subtract(Integer a, Integer b) {
         return a - b;
     public static Integer multiply(Integer a, Integer b) {
         return a * b;
     public static Decimal divide(Decimal a, Decimal b) {
         if (b == 0) {
             throw new ArithmeticException('Cannot divide by zero.');
        return a / b;
 }
```

✓ Anonymous Apex Code to Test You can run this in the Execute Anonymous Window: apex □ Copy □ Edit Integer a = 20; Integer b = 10; System.debug('Addition: ' + CalculatorExample.add(a, b)); System.debug('Subtraction: ' + CalculatorExample.subtract(a, b)); System.debug('Multiplication: ' + CalculatorExample.multiply(a, b)); System.debug('Division: ' + CalculatorExample.divide(a, b)); ✓ Sample Output in Debug Logs: makefile □ Copy □ Edit Addition: 30 Subtraction: 10 Multiplication: 200 Division: 2

MULTIPLES OF 5, 10



WELCOME MESSAGE



VIVA QUESTIONS ON THIS APEX

1. What is Apex in Salesforce?

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Answer

Apex is a programming language used in Salesforce to write custom business logic. It's similar to Java and runs on the Salesforce platform.

2. Why do we use Apex in Salesforce?

Answer

We use Apex to add custom features like automation, data processing, triggers, and to create logic that can't be done using just point-and-click tools.

3. What are the different data types in Apex?

Answer:

Some common data types are:

- Integer for whole numbers
- Decimal for numbers with points
- String for text
- Boolean for true/false
- Date, Datetime for dates and times

4. What is a class in Apex? Saved memory full ①
Answer:
A class is a collection of variables and methods. It's like a blueprint that defines how something works.
5. What is a method in Apex?
Answer:
A method is a block of code that performs a specific task like addition or printing a message.
6. How do you print output in Apex?
Answer:
We use System.debug() to print output in the debug log.
7. How do you write a simple addition program in Apex?
Answer:
Create a class with a method that takes two numbers and returns their sum using return num1 + num2;
8. What is an Anonymous Window in Salesforce?

It's a place in Developer Console where we can write a ψ un Apex code temporarily to test it.

Answer:

9. What is the difference between a class and a method?
Answer:
A class contains one or more methods. A method is the function or task inside the class.

10. How can you handle division by zero in Apex?

Answer:

We check if the second number is zero using an if condition before dividing. If it's zero, we throw an error or print a message.

11. What is Visualforce?

Answer:

Visualforce is a framework in Salesforce used to create custom user interfaces (like web pages).

12. Can you write Apex without using Visualforce or Lightning?

Answer:

Yes, we can write and run Apex code using the Developer Console or Anonymous Window.



1. Salesforce Basics

Q1. What is Salesforce?

A: Salesforce is a cloud-based CRM (Customer Relationship Management) platform used to manage customer relationships, data, and business processes.

Q2. What is CRM?

A: CRM stands for Customer Relationship Management. It helps businesses manage their customer data, support, marketing, and sales.

Q3. What is the use of Salesforce.com?

A: It is used to develop cloud applications, automate tasks, manage data, and improve business workflow without needing on-premise servers.

💻 2. Apex Programming Language

Q4. What is Apex?

A: Apex is a strongly typed, object-oriented programming language used in Salesforce to write business logic.

Q5. Is Apex similar to Java?

A: Yes, Apex syntax is similar to Java, and it follows object-oriented programming principles.

Q6. Where can you write Apex code?

A: You can write Apex in the Developer Console, Visual Studio Code with Salesforce CLI, or in Setup → Apex Classes.

Q7. What is the use of System.debug()?

A: It is used to print output to the debug log, like a print statement.

5. Classes and ivietnous

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Q8. What is a class in Apex?

A: A class is a container for code — it holds variables and methods.

Q9. What is a method?

A: A method is a block of code that performs a specific task (like add two numbers).

Q10. What is a static method?

A: A static method belongs to the class, not an object. It can be called directly using the class name.

Q11. How do you call a method in Apex?

A: Use ClassName.methodName(); — if it's static.

4. Data Types and Variables

Q12. What are the data types in Apex?

A: Common ones are:

- Integer whole numbers
- Decimal numbers with decimals
- String text
- Boolean true/false
- Date dates
- List a collection of elements

Q13. What is a variable?

A: A variable is used to store data in memory (e.g., Integer a = 5;).

Q14. How do you declare a variable?

A: DataType variableName = value;

Example: Integer x = 10;



5. Control Statements and Loops Q15. What is a loop? A: A loop is used to repeat a block of code multiple times. Q16. What are the types of loops in Apex? A: • for loop • while loop do-while loop for-each loop (for collections) Q17. What is an if-else condition? A: It is used to make decisions in code based on conditions. 💠 6. Arithmetic Operations in Apex Q18. How do you perform addition in Apex? A: Using + operator: Integer sum = a + b; Q19. How do you perform subtraction, multiplication, division? Subtraction: a - b Multiplication: a * b Division: a / b Q20. How to handle divide by zero in Apex? A: Use an 1f condition: ්Copy ඵEdit

if (b != 0) {
 result = a / b;

7. Miscellaneous

Q21. What is the Developer Console?

A: It is a tool in Salesforce used to write, run, and debug Apex code.

Q22. What is the Execute Anonymous Window?

A: A window in Developer Console where we can write temporary code to test it quickly.

Q23. What is the debug log?

A: A log that shows the output and execution flow of Apex code using System.debug().

Q24. Can you create custom applications using Apex?

A: Yes, we can build complete applications using Apex, Visualforce, and Lightning.

Q25. Can Apex be used to interact with the database?

A: Yes, using SOQL and DML operations, Apex can read and write data from Salesforce objects.