

PUNE INSTITUTE OF COMPUTER TECHNOLOGY



Department of Computer Engineering
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LP-II

Batch: - M2

Calculator on Salesforce Cloud

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1. Problem Statement:

Design and develop custom Application (in this case) Calculator using Salesforce Cloud.

2. Motivation

- 1) Nowadays, the world has become online in many ways. In short, we can say the digital world. So, the Calculator application on the salesforce cloud will help users/customers to calculate complex operations in less time.
- 2) To learn development in cloud computing.

3. Scope

Everyone likes that their work must be completed in less amount of time and the calculator on the salesforce cloud will help users/customers to do that. Hence, many users will use such applications which help them to achieve their goals in less time.

4. Objective:

- To create the calculator on the salesforce cloud.
- To learn the basics and implement Apex programming language on Salesforce platform

5. Outcomes:

- To get the output of operations which the user wants to perform.
- A new experience on developing the calculator on the Salesforce cloud and learning and understanding cloud computing.

6. Software and Hardware Requirements:

Software:

- Windows 10 OS, 64 bits
- Salesforce cloud website.

Hardware:

- Processor: Intel i-5 8th gen
- Manufacturer: Acer Nitro 7
- Ram: 8 GB/ 16GB Optane memory

7. Tech Stack

- Salesforce cloud platform
- Apex programming language
- Java

8. Screenshots of UI:

The screenshot shows a web browser window with the URL `https://pict31-dev-ed-c.visualforce.com/apex/Sample?core.apexpages.request.devconsole=1`. The page contains a form with the following elements:

- A "Find" button at the top.
- Two input fields: "Value 1" containing the number 5, and "Value 2" containing the number 4.
- A group of radio buttons for the operation: "Add" (selected), "Subtract", "Division", and "Modulo Division".
- A "Result" field containing the value 9.0.
- A "Find" button at the bottom.
- An "Update" button in the top right corner.

Fig:01

This screenshot shows the same web application interface as Fig:01, but with different input values and a selected operation:

- The "Value 1" input field now contains the number 15.
- The "Value 2" input field now contains the number 2.
- The "Division" radio button is now selected.
- The "Result" field now displays the value 7.5.
- All other elements, including the "Find" buttons and the "Update" button, remain the same.

Fig: 02

9. Conclusion:

Successfully completed a calculator on the Salesforce cloud platform using Apex programming language.