Simple Rails Applications

1. To create a basic **Ruby on Rails** application named `HelloApp` that responds with different messages based on user requests to specific routes.

Question:

- Develop a **Ruby on Rails application** named `HelloApp`.
- Implement a **controller** (`HelloController`) that handles user requests and provides the following responses:
  - When the user accesses `/ssn`, the application should display: **"Hello from SSN"**
  - When the user accesses `/snu`, the application should display: **"Hello from SNU"**
- Configure the **routes** to direct `/ssn` and `/snu` requests to appropriate actions in the controller.
- Run the application and test the output by visiting **http://localhost:3000/ssn** and **http://localhost:3000/snu**.

Expected Outcome:

A simple Rails application that correctly responds with "Hello from SSN" or "Hello from SNU" when accessed via the respective routes.

2. To develop a simple web-based calculator using Ruby on Rails that can perform basic arithmetic operations like addition, subtraction, multiplication, and division.

Question:

- Develop a **Ruby on Rails application** named `ArithmeticApp` that performs basic arithmetic operations.
- Implement a **controller** (`CalculatorController`) that processes user inputs and performs the following operations:
  - Addition
  - Subtraction
  - Multiplication
  - Division (Handle division by zero)
- Create a **view** with a form to accept two numerical inputs and an operation selection (+, -, *, /).
- Display the calculated result on the same page after the user submits the form.
- Ensure proper **routing**, **form validation**, and **error handling** in the application.
- Run the application and test it on **http://localhost:3000/**.

Expected Outcome:

A web-based calculator where users can input two numbers, select an operation, and view the calculated result dynamically.