CLOUD COMPUTING ARCHITECTURE PRACTICAL DETAILS

GOOGLE DRIVE LINK -FOR REFERENCE

https://drive.google.com/drive/folders/13enMi_ggPMozS7cFM0L1pF3qarHFI5lK?usp=sharing

PRACTICAL 6--- (Getting Started with Power Apps & SharePoint)

1. **PART 1-1.1**

   o Introduction to Power Apps.

   o Creating a blank app.

   o Working with screens, templates, controls, and properties.

   o Concept of master-template screen synchronization.

2. **Part 1-1.2**

   o Creating a SharePoint Team Site.

   o Creating lists with different data types.

   o Connecting SharePoint list to Power Apps using connectors.

   o Using Search() and Filter() formulas.

3. **Part 1-1.3**

   o Creating login functionality using SharePoint list data.

   o Adding Text Input, Button, and Labels.

   o Using formulas like LookUp() and Navigate().

PRACTICAL 7--- (Form Handling & Validations)

4. **PART 2-2.1**

   o Working with Edit Forms in Power Apps.

   o Data validations for fields (Name, Age, Email, Phone, Password, Date).

   o Conditional formatting using If() and IsMatch().

5. **PART 2-2.2**

   o Creating a **Meeting Room Reservation App**.

   o Connecting to SharePoint list (FullName, Date, Phone, Email).

   o Adding validations (required fields, number > 0, future date, phone & email format).

   o Handling form submission and error messages.

PRACTICAL 8--- (Charts, Visualization & File Handling)

6. **PART 3-3.1**

   o   Adding **Charts in Power Apps** (Column, Line, Pie).

   o   Using ClearCollect() to store and visualize data.

   o   Customizing charts (colors, labels, series).

7. **PART 3-3.2**

   o   Creating a **Sales Tracker App** with QuickChart integration.

   o   Generating dynamic charts using datasets.

   o   Using Concat() and Filter() to display sales by period.

   o   Dropdown-based filtering for charts.

8. **PART 3-3.3**

   o   Working with **Document Libraries in SharePoint**.

   o   Displaying files in Power Apps using Gallery.

   o   Using formulas for **file icons, file names, and download buttons**.

   o   Generating dynamic download URLs.