

- W1 Develop a **responsive product catalog webpage** using **HTML, CSS, and JavaScript**. The webpage should display products in a **table format** with images and implement **pagination** if there are more than 10 products.

Product Image	Product Name	Price (INR ₹)	Description
	Wireless Headphones	₹7,999	Noise-cancelling over-ear headphones.
	Smartwatch	₹12,999	Fitness tracking smartwatch.
	Gaming Mouse	₹2,499	Ergonomic gaming mouse.
	Laptop Stand	₹1,999	Adjustable aluminium stand.

### ○ Pagination Controls:

← Previous | Page 1 of 2 | Next →

- C1 Design and develop custom Application using Sales-force Cloud.

- W2 Create a **personal portfolio webpage** using **HTML and CSS**. The webpage should showcase personal details, skills, projects, educational details, and contact information.

- C2 Design and develop Student Management System using Salesforce Cloud.

- W3 Design a **restaurant menu webpage** using **HTML and CSS**, including menu categories, dishes, and pricing.

#### Content

"ABC Delights - Restaurant Menu"

Welcome to ABC Delights

Restaurant introduction, chef's message, and food quality assurance.

Top dishes ranked based on popularity (e.g., 1. Paneer Tikka, 2. Biryani)

Available cuisines (e.g., - Italian, - Indian, - Chinese)

Menu table with **Dish Name, Description, Price (INR ₹)**

Add suitable images for the Dish

C3 Design and develop custom Application using Sales-force Cloud.

W4 Develop a webpage for an **online course listing** using **HTML and CSS**, showcasing available courses and their details.

### **Content**

"Online Learning Hub - Courses"

Welcome to Online Learning Hub

Introduction to online learning, benefits, and course offerings.

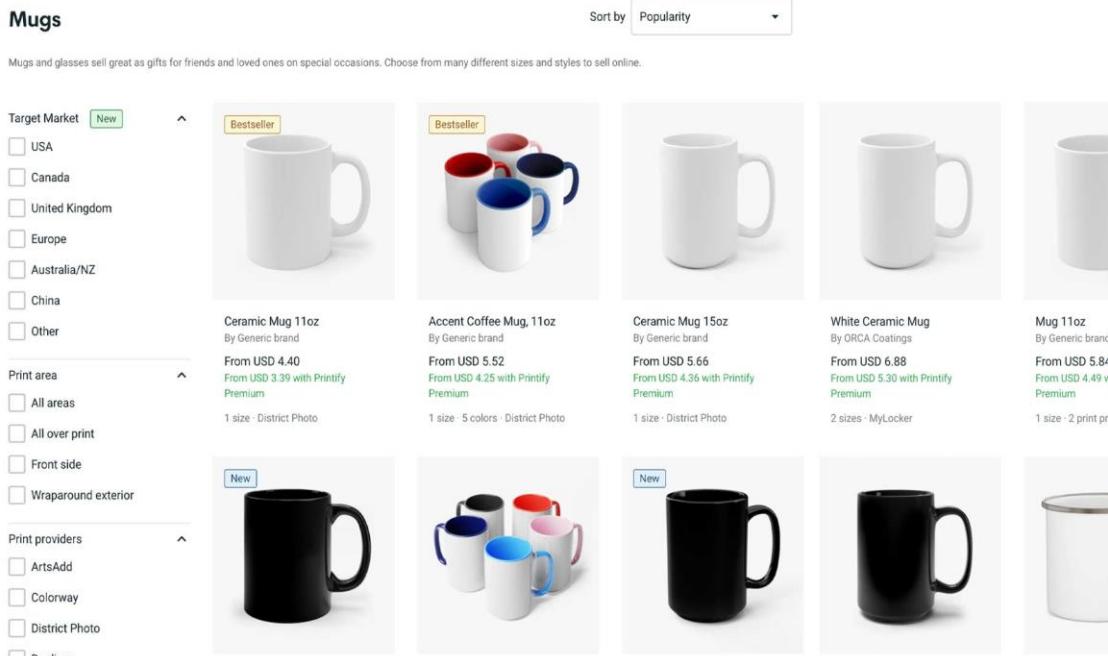
Step-by-step learning paths (e.g., 1. Beginner, 2. Intermediate, 3. Advanced)

Course categories (e.g., - AI & ML, - Data Science, - Web Development)

Course table with **Course Name, Instructor, Duration, Fee (INR ₹)**

C4 Design and develop Student Management System using Salesforce Cloud.

W5 Create an **e-commerce product listing page** using **Bootstrap**. The page should feature a **grid layout** with **Bootstrap cards** for product display and implement **category filters** using Bootstrap's **dropdown**. The page should be **fully responsive** for different screen sizes.



C5 Design and deploy a web application in a PaaS environment.

W6 Create a responsive web page for **College website** with top navbar and display toppers data statistics (year wise) in card using **Bootstrap**

Section	Content
Title	"Pune Institute of Computer Technology"
Navigation	
Bar (Top Navbar)	Bootstrap navbar with links: `Home
Headings	Welcome to XYZ College
Toppers' Statistics (Cards)	Our Achievements
Responsive	Year-Wise Toppers
Toppers' Statistics (Cards)	Bootstrap card layout (col-md-4) for each year's topper details (Name, Department, Percentage, Photo).
Responsive	- Cards adjust in a grid (col-md-4, col-

## Features

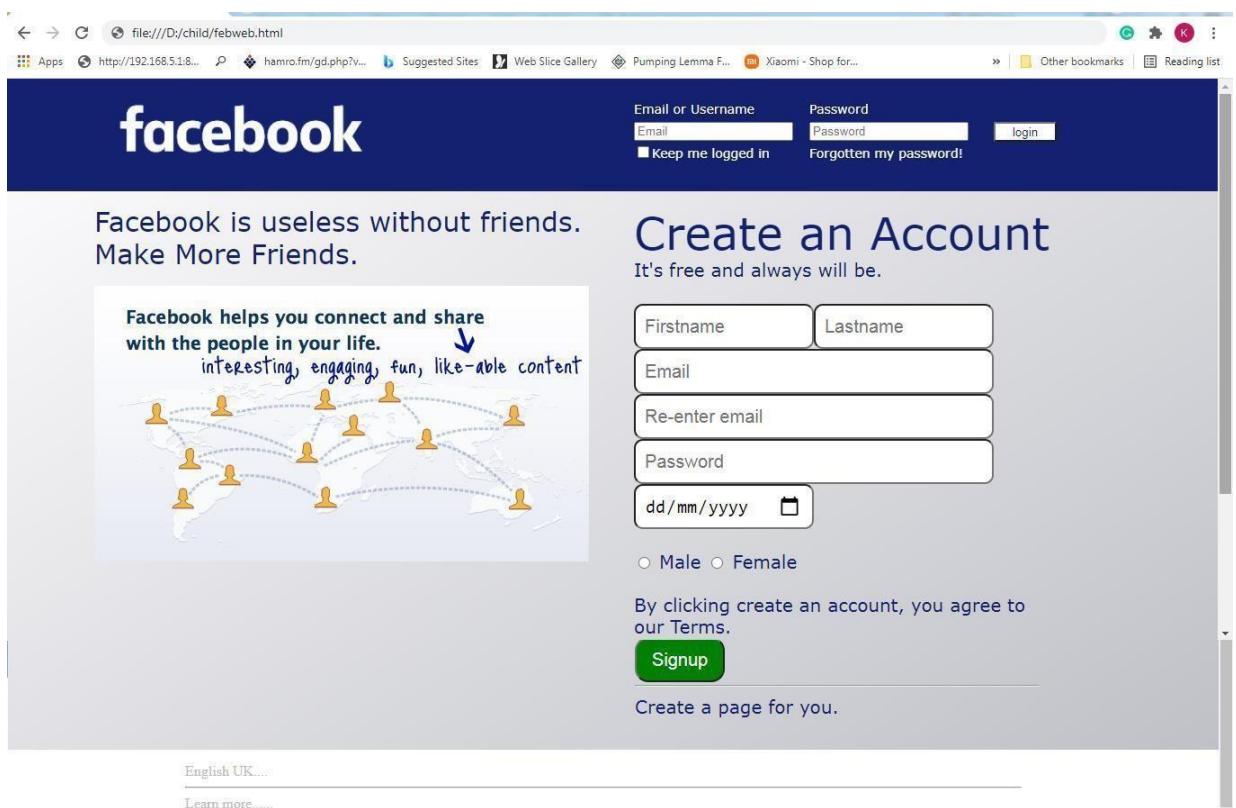
sm-6, col-12). - **Navbar collapses** into a **toggle menu** on mobile.

## Footer

Includes **college address, contact details, and social media links**.

C6 Design and deploy a web application in a PaaS environment.

W7 Create the following web page of Facebook using **Bootstrap**



C7 Find a procedure to transfer two text files from one virtual machine to another virtual machine. Also, add some text in the file and display it before and after transfer on both the VMs.

W8 Create an event registration form using Bootstrap's form components. Include input validation, floating labels, and tooltips to guide the user.

C8 Design and deploy a web application in a PaaS environment.

- W9 Create a weather application using JavaScript and AJAX where users enter a city name, and AJAX fetches real-time weather data dynamically from local repository map having city with temperature, humidity, and conditions
- C9 Find a procedure to transfer two text files from one virtual machine to another virtual machine. Also, add some text in the file and display it before and after transfer on both the VMs.
- W10 Develop a to-do list that automatically saves tasks (add, update, delete) to the server using AJAX without requiring a page refresh.
- C10 Find a procedure to transfer two text files from one virtual machine to another virtual machine. Also, add some text in the file and display it before and after transfer on both the VMs.
- W11 Write a JavaScript Program to create a login(username, password) and registration form(name, email, mobile number, dob, city, address) and push to an array/local storage with the AJAX POST method and a data list in a new page. Add proper validations for each form element.
- C11 Find a procedure to transfer two text files from one virtual machine to another virtual machine. Also, add some text in the file and display it before and after transfer on both the VMs.
- W12 Create a **basic to-do list** where users can **add, edit, and delete tasks**. Use Angular's two-way data binding to update tasks dynamically.
- C12 Design and develop custom Application using Sales-force Cloud.
- W13 Create an Angular application which will do following actions: User Registration, Login User, Show User Data on Profile Component
- C13 Design and develop custom Application using Sales-force Cloud.
- W14 Create a Node.js server that reads user data from a JSON file and serves it as an API. A front-end page should display the list dynamically using HTML & JavaScript.
- C14 Design and deploy a web application in a PaaS environment.

W15 Build a product catalog where product details (name, price, image) are stored in a JSON file. The Node.js server should provide the data as an API for a front-end page to display products

C15 Design and deploy a web application in a PaaS environment.

W16 Create a Node.JS Application that serves as a static website for Restaurants/Art Gallary

C16 Design and develop custom Application using Sales-force Cloud.

W17 Build an Employee Directory where employee details (name, designation, department, salary, and profile image) are stored in a JSON file. A Node.js server should provide this data as an API, and a front-end page should fetch and display employee details.

C17 Design and develop custom Application using Sales-force Cloud.

W18 Perform the following tasks using node.js, Express.js and MongoDB. The following operation should be performed only on Nodejs and Express.js.

- a) Create a Database called music.
- b) Create a collection called song details
- c) Insert array of 5 song documents in above Collection.  
[Document have following field:  
Songname, Film, Music\_director, singer]
- d) Display total count of documents and List all the documents in browser.
- e) List specified Music Director songs.
- f) List specified Music Director songs sung by specified Singer
- g) Delete the song which you don't like.
- h) Add new song which is your favourite.
- i) List Songs sung by Specified Singer from specified film.
- j) Update the document by adding Actor and Actress name.
- k) Display the above data in Browser in tabular format.

Song Name	Film Name	Music Director	Singer	Actor	Actress
ABC	DEF	GHI	JKL	MNO	PQR

C18 Design and develop Student Management System using Salesforce Cloud.

- W19 Perform the following tasks using node.js, Express.js and MongoDB. The following operation should be performed only on Node.js and Express.js.
- Create a Database called student.
  - Create a collection called studentmarks
  - Insert array of documents in above Collection. The document has following fields:  
Name, Roll\_No, WAD\_Marks, CC\_Marks,  
DSBDA\_Marks,CNS\_Marks,AI\_marks]
  - Display total count of documents and List all the documents in browser.
  - List the names of students who got more than 20 marks in DSBDA Subject in browser.
  - Update the marks of Specified students by 10.
  - List the names who got more than 25 marks in all subjects in browser.
  - List the names who got less than 40 in both Maths and Science in browser.
  - Remove specified student document from collection.
  - Display the Students data in Browser in tabular format.
- | Name | Roll No | WAD | DSBDA | CNS | CC | AI |
|------|---------|-----|-------|-----|----|----|
| ABC  | 111     | 25  | 25    | 25  | 25 | 25 |
|      |         |     |       |     |    |    |
- C19 Design and develop Student Management System using Salesforce Cloud.
- W20 Create a backend application for managing employee records.
- Perform the following tasks using Node.js, Express.js, and MongoDB.**  
The following operations should be performed in Node.js and Express.js only:
- Add a new employee (name, department, designation, salary, joining date)
  - View all employee records
  - Update an existing employee's details
  - Delete an employee record

C20 Design and develop Student Management System using Salesforce Cloud.

W21 Design a backend system to manage books in an online bookstore.

**Perform the following tasks using Node.js, Express.js, and MongoDB.**

The following operations should be performed in Node.js and Express.js only:

- Add a new book (title, author, price, genre)
- Retrieve a list of all books
- Update book details
- Delete a book from the collection

C21 Design and develop Student Management System using Salesforce Cloud.

W22 Create a simple mobile website using jQuery Mobile for your college – *Pune Institute of Computer Technology (PICT)*. Include static pages like:

- About Us
- Courses Offered
- Departments
- Contact Information

Use jQuery Mobile's navigation bar, collapsible content, and page transitions.

C22 Design and develop Student Management System using Salesforce Cloud.

W23 Build a mobile website to display student clubs and extracurricular activities at PICT. Each club (e.g., Coding Club, Robotics Club, Dance Club) should have:

- Name
- Description
- Achievements
- Static images

C23 Find a procedure to transfer two text files from one virtual machine to another virtual machine. Also, add some text in the file and display it before and after transfer on both the VMs.

W24 Create a mobile site that displays static reviews of 4-5 movies. Each movie should have:

- Poster (image)
- Genre
- Short summary
- Review (static text)

- C24 Find a procedure to transfer two text files from one virtual machine to another virtual machine. Also, add some text in the file and display it before and after transfer on both the VMs.
- W25 Design a simple personal portfolio mobile site using jQuery Mobile. Include pages like:
- About Me
  - Projects
  - Skills
  - Contact Info
- C25 Find a procedure to transfer two text files from one virtual machine to another virtual machine. Also, add some text in the file and display it before and after transfer on both the VMs.
- W26 Develop a static mobile website using mobile JQuery showcasing PICT's B.E. course structure. Each year (FE, SE, TE, BE) should be a collapsible section listing subjects and brief descriptions.
- C26 Find a procedure to transfer two text files from one virtual machine to another virtual machine. Also, add some text in the file and display it before and after transfer on both the VMs.