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| **INDEX** | | | | | |
| **Prc.** | **PRACTICAL’S AIM** | **Start Date** | **End Date** | **Marks** | **SIGN** |
|  | **Set-1**   1. A program that convertstemperaturesfrom Fahrenheit to Celsius and vice versa. 2. A program that calculatesthe area and perimeter of a rectangle. 3. A program that generates a random password of a specified length. 4. A program that calculatesthe average of a list of numbers. 5. A program that checks if a given year is a leap year. 6. A program that calculatesthe factorial of a number. 7. A program that checksif a given string is a palindrome. 8. A program that sorts a list of numbers in ascending or descending order. 9. A program that generates a multiplication table for a given number. 10. A program that converts a given number from one base to another. |  |  |  |  |
|  | **Set-2**   1. A program that models a bank account, with classes for the account, the customer, and the bank. 2. A program that simulates a school management system, with classesforthe students, the teachers, and the courses. 3. A program that reads a text file and countsthe number of wordsin it. 4. A program that reads a CSV file and calculatesthe average of the values in a specified column. 5. A program that reads an Excel file and printsthe data in a tabular format. |  |  |  |  |
|  | **Set-3**   1. A program that creates a simple web server and serves a static HTML page. 2. A program that creates a web application that allows usersto register and login. 3. A program that creates a web application that allows usersto upload and download files. 4. A program that creates a web application that displays data from a database in a tabular format. 5. A program that creates a web application that accepts user input and sendsit to a server-side script for processing. |  |  |  |  |
|  | **Set-4**   1. A program that creates a web application that uses a template engine to generate dynamic HTML pages. 2. A program that creates a web application that supports AJAX requests and updates the page without reloading. 3. A program that creates a web application that uses Django's built-in debugging features to troubleshoot errors and exceptions. 4. A program that creates a web application that implements user authentication and authorization. 5. A program that creates a web application that integrates with third-party APIs to provide additional functionality. |  |  |  |  |
|  | **Set-5**   1. A program that creates a simple RESTful API that returns a list of users in JSON format. 2. A program that creates a RESTful API that allows users to create, read, update, and delete resources. 3. A program that creates a RESTful API that authenticates users using a JSON Web Token. 4. A program that creates a RESTful API that paginatesthe results of a query to improve performance. 5. A program that creates a RESTful API that supports data validation and error handling. |  |  |  |  |