PYTHON
PROGRAMMING

ABOUT US

CODSOFT is a vibrant and diverse community that brings together individuals with similar objectives and ultimate goals. Our main focus is on creating opportunities that span various areas, including leadership development, learning, student engagement, and fostering shared interests.

We believe in the power of leadership and its ability to drive positive change. That's why we provide platforms and resources for our community members to develop their leadership skills. Through mentorship programs, workshops, and collaborative projects, we empower individuals to take on leadership roles and make a difference in their respective fields.

INSTRUCTIONS

Update your LinkedIn profiles

- For the Python Programming internship, you will need to complete **at least 3 tasks** for successful completion of the internship.

- Maintain a separate GitHub repository(name as **CODSOFT** for all the tasks and share the link of the GitHub repo in the task submission form(it will be given later through email).

- You can refer to online resources such as Google Search and read tutorials. Watch videos(For Help).

SUBMISSION

- A **TASK SUBMISSION FORM** will be shared later through email. Till then please continue your task.

- A video need to be created to showcase your work, a demo of your effort.

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- The video can be hosted on LinkedIn for proof of your work and to build credibility among your peers. You can tag **@CODSOFT** in such posts.

- Please add **#codsoft** in each of your task video postings on LinkedIn, Additionally, you can also add hashtags such as #internship #webdevelopment. for more reach and visibility
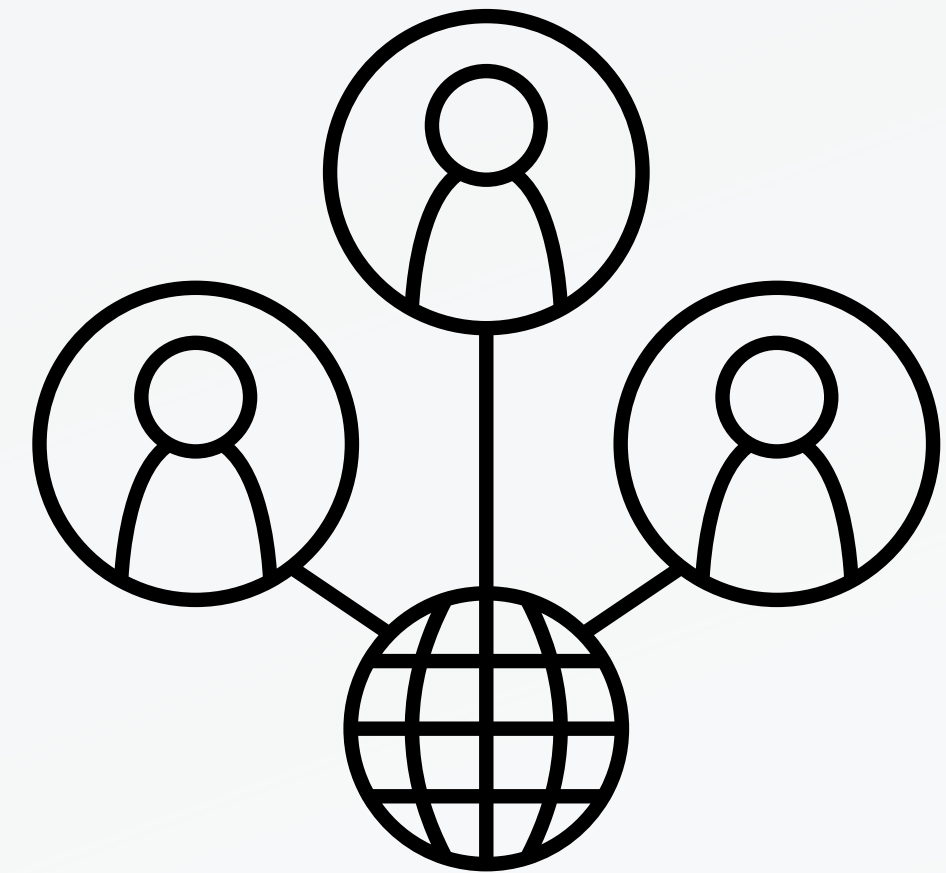
ABOUT THE INTERNSHIP

COMPLETION CERTIFICATE

PLACEMENT SUPPORT

NETWORK OPPORTUNITY

CODSOFT

PYTHON
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TO-DO LIST

A **To-Do List application** is a useful project that helps users manage and organize their tasks efficiently. This project aims to create a command-line or GUI-based application using Python, allowing users to create, update, and track their to-do lists

FOR DEMO CLICK HERE

CALCULATOR

Design a simple calculator with basic arithmetic operations. Prompt the user to input two numbers and an operation choice. Perform the calculation and display the result.

FOR DEMO   CLICK HERE

PASSWORD GENERATOR

A **password generator** is a useful tool that generates strong and random passwords for users. This project aims to create a password generator application using Python, allowing users to specify the length and complexity of the password.

User Input: Prompt the user to specify the desired length of the password.

Generate Password: Use a combination of random characters to generate a password of the specified length.

Display the Password: Print the generated password on the screen.

TASK 4
WEATHER FORECAST

Developing a weather forecast application using Python. This project will involve retrieving weather data from an API and presenting it in a user-friendly format. The application will provide current weather information, including temperature, humidity, wind speed, and a short description of the weather conditions.

User Input: Prompt the user to enter the name of a city or a zip code.

API Request: Make an API request to retrieve weather data based on the user's input.

Parse and Extract: Extract relevant weather information such as temperature, humidity, and description from the API response.

Display Weather: Present the retrieved weather information to the user in a user-friendly format

QUIZ GAME

Develop a quiz game that asks users multiple-choice or fill-in-the-blank questions on a specific topic. The game should keep track of scores, provide feedback on correct/incorrect answers, and offer a variety of questions to make it challenging and engaging.

Load Quiz Questions.

Display Welcome Message and Rules.

Present Quiz Questions:

Display each question and answer choice.

Prompt the user to select an answer.

Evaluate the User's Answer:

Compare the user's answer with the correct answer.

Keep track of the user's score.

Provide Feedback:

Display if the answer was correct or incorrect.

Show the correct answer for incorrect responses.
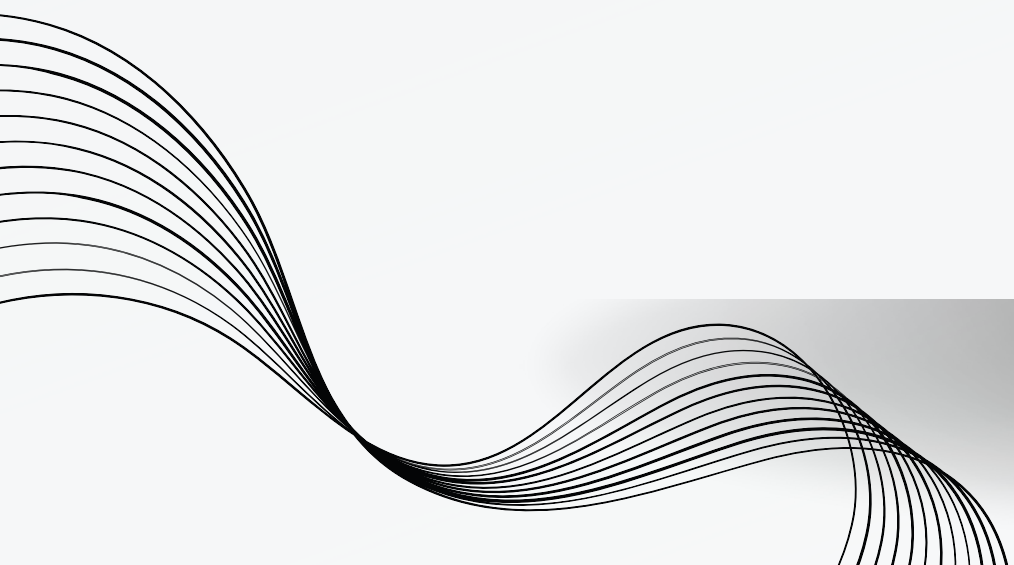
Calculate the Final Score.

Display Final Results:

Print the user's score and performance message.

Play Again:

Ask the user if they want to play again.

ASK US FOR HELP!

- THE PURPOSE OF THIS INTERNSHIP IS TO LEARN AND GROW.

- *We have no desire to dictate to you. It is entirely up to you whether you seek guidance or not.*

- The given tasks may seem very easy or very difficult. We expect you to approach the tasks with professional diligence and give them the attention they deserve."

GET SOCIAL WITH US

🌐 www.codsoft.in

📧 contact@codsoft.in

💼 CodSoft