



Exercise 15

Nested If, If-Else

Tasks:

1. A library charges a fine for every book returned late.
 - For the first 5 days, the fine is 50 paise,
 - For 6-10 days fine is one rupee and above 10 days fine is 5 rupees. If you return the book after 30 days your membership will be canceled.

Write a program to accept the number of days the member is late to return the book and display the fine or the appropriate message.

2. You are a mentor at ITM System Limited, guiding students who have completed their core courses in the first semester. Your role is to help students select an ideal mentorship stream aligned with their interests and skills. You will base your recommendations on the student's responses to a series of tailored questions, considering the prerequisites of DevOps, Web Development, Mobile App Development, Integration, and Cloud Computing (Azure) specializations.

Mentor's Questions:

- Mentor: "Welcome! Let's begin. Rate your coding skills:"
- User responds with Strong (S) / Moderate (M) / Weak (W).
- Mentor: "Next, tell me about your database experience:"
- User responds with Experienced (E) / Novice (N).
- Mentor: "Have you explored software engineering methodologies?"
- User responds with Yes (Y) / No (N).
- Mentor: "Do you have experience with version control systems like Git?"
- User responds with Yes (Y) / No (N).
- Mentor: "Are you familiar with Agile development practices?"
- User responds with Yes (Y) / No (N).

I. If Strong Coding (S):

Mentor: "Great! Considering your strong coding skills, 'DevOps' might be intriguing. It blends coding prowess with automation and infrastructure."

II. If Moderate Coding (M) and Experienced in Databases (E):

Mentor: "Interesting! With your coding and database background, 'Integration' could be a fit. It merges data mastery with system harmony."

III. If Moderate Coding (M) and Novice in Databases (N):

Mentor: "Nice! Your coding interest aligns well with 'Web Development.' You'll blend code and creativity for web experiences."

IV. If Weak Coding (W) and Explored Software Eng. (Y):

Mentor: "Exciting! Foray into 'Mobile App Development' to ignite code for captivating mobile experiences."

V. If Weak Coding (W) and No Explored Software Eng. (N):

Mentor: "Curious! Consider 'Cloud Computing (Azure)' to unveil the magic of cloud-powered solutions."

Empowering Conclusion:

Mentor: "Now it's your turn to choose. ITM System Limited is here to empower your growth!"