

Assessment

Module 13) Python - Fundamentals of python language

Module 14) Python - Collections, functions and Modules in Python

Case Overview

You are a trainee Python developer at Tops technologies. The company is planning to launch a lightweight internal community board where employees can **share updates, report tech issues, and discuss solutions** via posts — all from a terminal-based Python app named **PostBoard**.

Core Functionality	
Post Creation	<ul style="list-style-type: none">• After login, a user can create a post by providing:<ul style="list-style-type: none">◦ Title◦ Description◦ Date (auto-generated or manually entered)• Each post is linked to the user who created it.
View All Posts	<ul style="list-style-type: none">• Display all posts in a clean format showing:<ul style="list-style-type: none">◦ Author◦ Title◦ Date◦ Description
Search Posts by Username	<ul style="list-style-type: none">• Let staff search posts created by a specific user.

Key Competencies Tested

- Functions and modular code design
- Lists and dictionaries
- Looping (for/while)
- Input/output formatting
- Basic validation (e.g., login attempts, blank fields)

Practical Considerations

- Temporary in-memory data (no database)
- Clean and organized function-based structure
- User-friendly prompts and formatted output
- Validate empty input or repeated usernames