Students Handout

Introduction to C# Workshop 4 – Job Provider Application

Introduction:

Welcome to the C# workshop on Job Provider Application! In this session, we will explore a practical program that allows users to log in or register as job providers. Throughout this workshop, we'll delve into essential concepts such as conditional statements (switch), loops (do-while), foreach, and more in C# programming.

Learning Objectives:

By the end of this workshop, you will gain a clear understanding of:

* The use of conditional statements (switch) to navigate through different program flows.
* The implementation of loops (do-while) for repetitive tasks.
* The role of the foreach loop for iterating over arrays.
* Understanding how to manage user accounts and credentials.

Program Overview:

The program is designed to achieve the following objectives:

Login (Option 1):

* Implement a user login system using the entered email and password.
* Demonstrate the use of a foreach loop to iterate through job provider accounts.

Register as a Job Provider (Option 2):

* Allow users to register as new job providers.
* Utilize an array to store job provider details, and increment user count.

Understanding the Code:

This C# program has been crafted to emphasize the following concepts:

* Conditional Statements (switch): Used to determine actions based on user input.
* Loops (do-while): Ensures the program continues to run until the user chooses to exit.
* Foreach Loop: Iterates over the array of job providers to perform actions.
* User Authentication: Demonstrates basic user login and registration functionalities.

Important Notes:

* The program structure revolves around the use of conditional statements, loops, and user authentication.
* Experiment with the code to understand how these fundamental programming constructs shape the program's behaviour.

Conclusion:

This program provides an opportunity to explore and practice essential C# concepts. Dive into the code, modify it, and observe how these constructs come together to create a functioning job provider application.