Chhetri Academy

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GCSE COMPUTER SCIENCE

6.4

Edexcel 1CP2 | Specification point 6.4.4

The need for and be able to write programs that implement authentication (ID and password, lookup)

Untiered

Past paper question booklet

1	2023	Untiered
question groups	available papers	tier

Before you begin

1. Show working and use units where appropriate.
2. Use extra paper if you need more space.
3. Print at actual size (100%) for measurement questions.

Name _____ **Date** _____

Whole questions are retained for context; some parts cover other points. Legacy sources are labelled.

6 A program is required to determine if a user can access a database. The names and passwords of users are stored in a two-dimensional array.

Open file **Q06.py**

Write a program to meet these requirements.

Inputs

- Prompt for and accept a user name and a password
  - neither should be blank

Process

- Implement authentication by searching the array for the user's name and password
  - ensure the search works for any length of array

Output

- Display a suitable message when the correct combination of name and password is found
- Display a suitable message when the user's name is found but the password does not match
- Display a suitable message when the user's name is not found

Use comments, white space and layout to make the program easier to read and understand.

Do **not** add any additional functionality.

Save your amended code as **Q06FINISHED.py**

(Total for Question 6 = 15 marks)