**Practical No 08**

**Unruled Side**

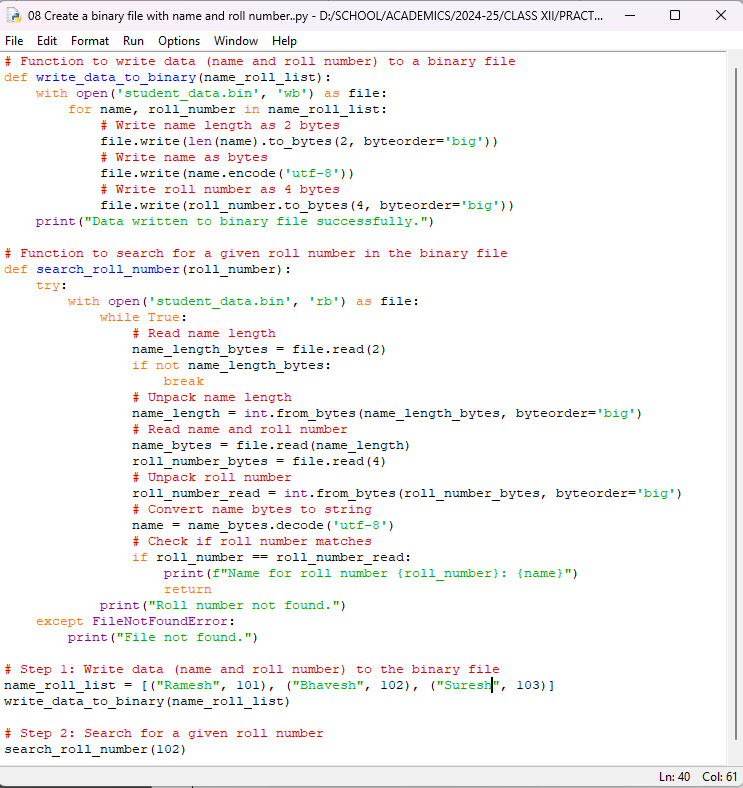
**Write with Pencil**

**Objective** - Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display appropriate message.

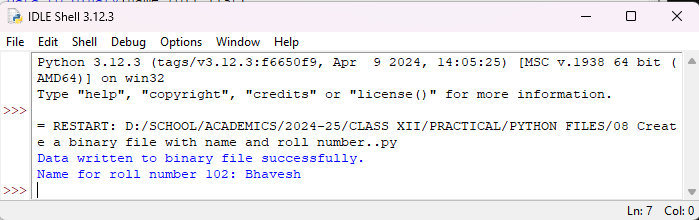
**Software and System Requirements -**

1. Windows 10 / 11 with basic configuration
2. Python3 installed on the system.

**Screenshot of Code –**

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**Screenshot of Output –**

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**Conclusion –**

In this practical exercise, we successfully implemented a Python program to store data (name and roll number) in a binary file and search for a given roll number to display the corresponding name. This program demonstrates the usage of binary file handling and structuring data in Python.

**Practical No 08**

**Ruled Side**

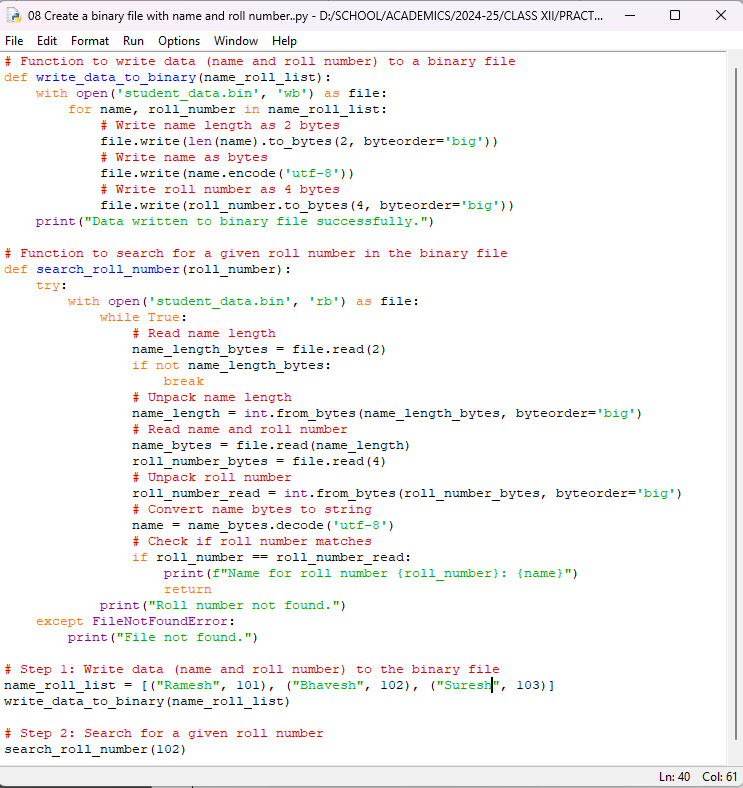
**Write with Pen**

**Objective** - Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display appropriate message.

**Software and System Requirements -**

1. Windows 10 / 11 with basic configuration
2. Python3 installed on the system.

**Handwritten Source Code –**

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**Points for Consideration:**

1. Ensure proper handling of file operations and exceptions.
2. Each name is stored with its length first, followed by the name itself, and then the roll number in the binary file.
3. Use appropriate data structures and methods for binary file handling and structuring.

**Conclusion –**

In this practical exercise, we successfully implemented a Python program to store data (name and roll number) in a binary file and search for a given roll number to display the corresponding name. This program demonstrates the usage of binary file handling and structuring data in Python.