



Network Programming

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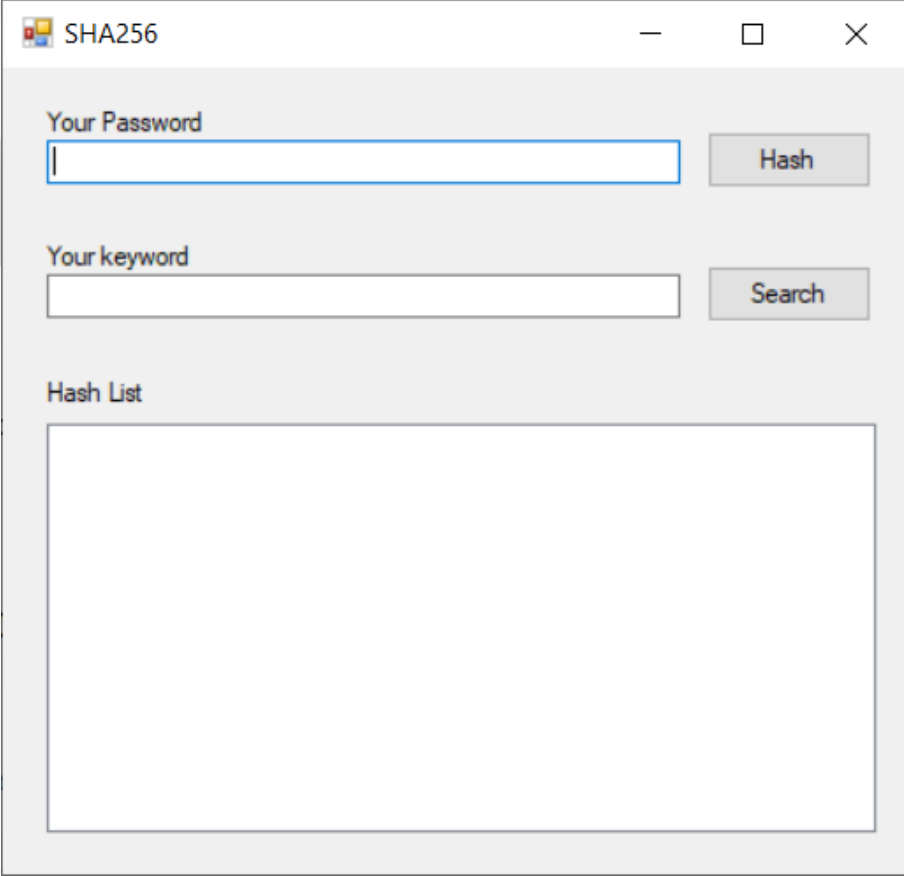


Lab 6

Assignment 1

Write a program to do the followings:

- Create a hash of your password and store it into a list
- Find whether the list contains a hash of a keyword

A screenshot of a Windows application window titled "SHA256". The window has a standard title bar with minimize, maximize, and close buttons. The main content area is light gray and contains three sections. The first section is labeled "Your Password" and features a text input field with a blue border and a "Hash" button to its right. The second section is labeled "Your keyword" and features a text input field and a "Search" button to its right. The third section is labeled "Hash List" and features a large, empty rectangular box for displaying results. The background of the slide shows a faint image of a desk with a lamp, a notebook, and a pen.

SHA256

Your Password

Hash

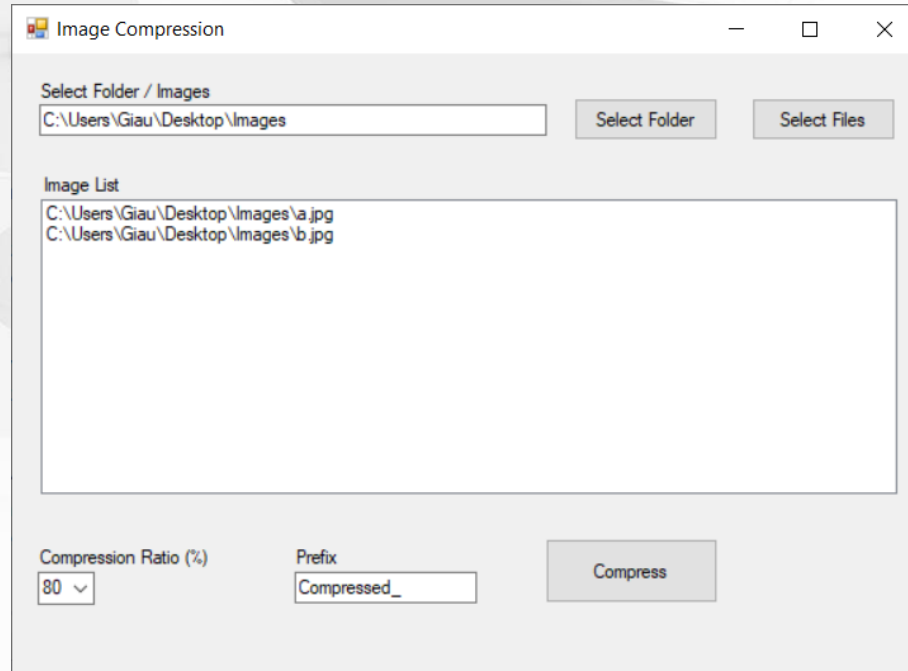
Your keyword

Search

Hash List

Assignment 2

Write a program to compress selected images.



The screenshot shows a Windows-style application window titled "Image Compression". It features a "Select Folder / Images" section with a text box containing "C:\Users\Giau\Desktop\Images" and two buttons: "Select Folder" and "Select Files". Below this is an "Image List" section with a list box containing two entries: "C:\Users\Giau\Desktop\Images\a.jpg" and "C:\Users\Giau\Desktop\Images\b.jpg". At the bottom, there is a "Compression Ratio (%)" section with a dropdown menu set to "80", a "Prefix" section with a text box containing "Compressed_", and a "Compress" button.

Image Compression

Select Folder / Images

C:\Users\Giau\Desktop\Images

Select Folder Select Files

Image List

C:\Users\Giau\Desktop\Images\a.jpg
C:\Users\Giau\Desktop\Images\b.jpg

Compression Ratio (%)

80

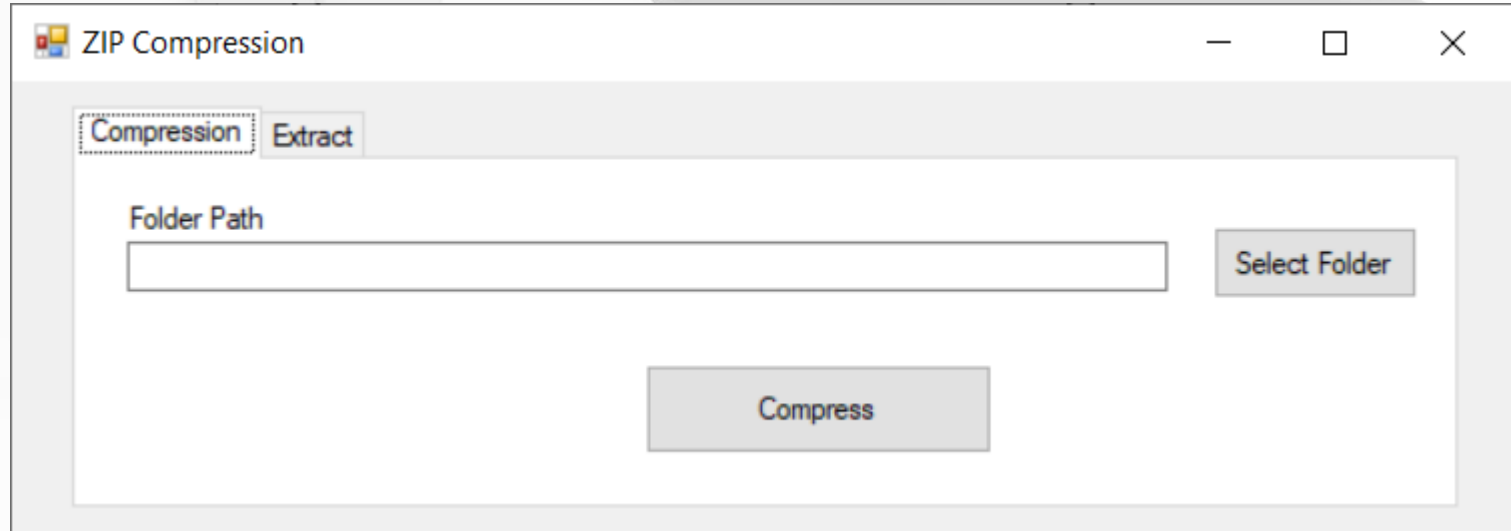
Prefix

Compressed_

Compress

Assignment 3

Write a program to compress the contents of a folder into a zip archive, and then extracts that content to a new folder.



A screenshot of a graphical user interface window titled "ZIP Compression". The window has a standard Windows-style title bar with minimize, maximize, and close buttons. Inside the window, there are two tabs: "Compression" (which is selected and highlighted with a dashed border) and "Extract". Below the tabs, there is a section labeled "Folder Path" containing a text input field and a "Select Folder" button. At the bottom center of the window is a large "Compress" button.