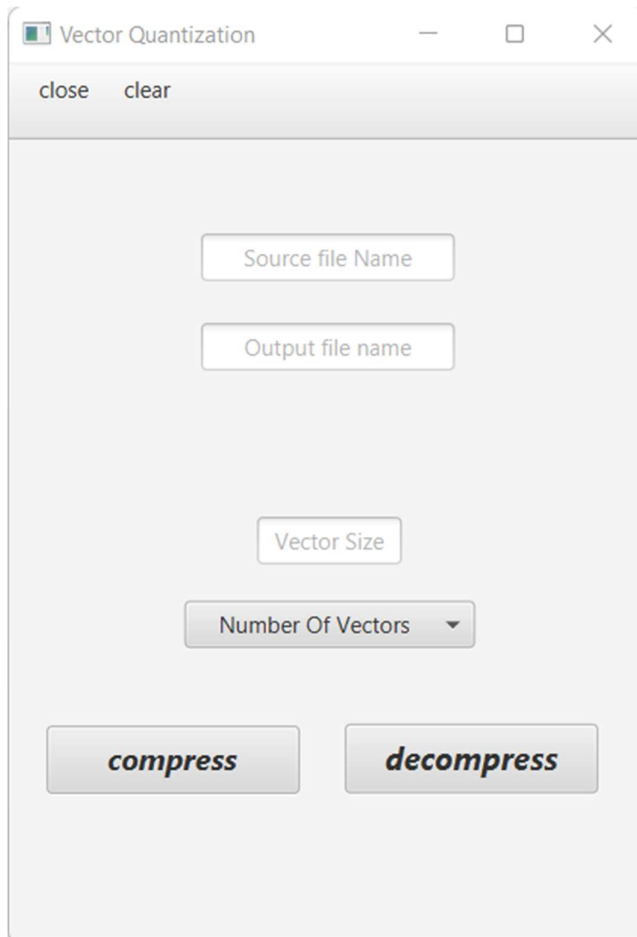


## Program GUI :



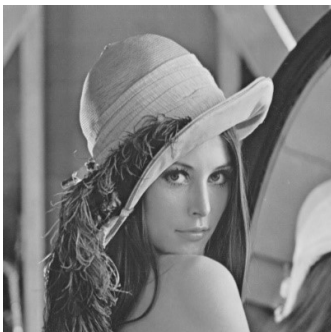
The screenshot shows the 'Vector Quantization' application window. It has a title bar with standard Windows controls. Below the title bar are 'close' and 'clear' buttons. The main area contains four input fields: 'Source file Name', 'Output file name', 'Vector Size', and 'Number Of Vectors' (a dropdown menu). At the bottom are two buttons labeled 'compress' and 'decompress'.



This screenshot shows the same application window after the 'compress' button has been clicked. The 'Source file Name' field now contains 'D:\she.jpg', the 'Output file name' field contains 'D:\sheCompressed.jpg', the 'Vector Size' field contains '8', and the 'Number Of Vectors' dropdown menu is set to '128'. The 'compress' button is highlighted with a blue border. Below the buttons, the text 'Done.' is displayed.

## Program output :

Original image



Compressed image

