**Question 1:** Write a program to compress and decompress data on bytes according to the following requirements.

- Use Deflater and Inflater to compress and decompress data.

- The content is given in the following string variable:

Str = “The night…aching with indescribable feelings. The sound of insects chirping mixed with the sound of rain."

**Question 3:** Write a program to compress and decompress data on bytes according to the following requirements:

- Create a file named inzip.txt containing the content " The night…aching with indescribable feelings. The sound of insects chirping mixed with the sound of rain."

- Read the contents of the **inzip.txt** file and then compress the data.

- Extract the data content from the **inzip.txt** file and write the extracted content to the **outunzip.txt** file.

**Question 4:** Write a program to compress and decompress a specified folder or file on the hard drive.

**Question 5:**

Given a list of **Students'** names

***Example:*** {“Nguyen Ngoc Lan”, “Duong Tien Nam”, “Ngo Anh Quan”}

Another list is the respective **Hometowns** of the above students:

***Example:*** {“Hai Phong”, ‘Hanoi”, “Thai Nguyen”}

Write an application that uses Thread to do work:

- Thread 1 every second will display the name of the corresponding person in the list of names

- Thread 2 will immediately show the person's respective hometown

- Two Threads executing each thread 3 times will stop

Make sure that **Thread1** is always run first and then **Thread2**