**Project Report Writing:**

**Huffman Algorithm:**

The purpose of the algorithm is to compress the data of the file. This algorithm find the binary code for every character in the file.The binary code contain the bits which are based on the frequency of character in the file.

**Time Complexity:**

**Huffman algorithm has ONLog(N) time complexity. N is the number of nodes in the tree.**

**Best Case :** O(logn).

**Average Case:** Oxn(logn).

**Worst Case Time Complexity:** Oxn(logn).

**Development Tool:**

Visual Studio Code java IDE is used for this project. Java programming language is used for developing. Project is tested on the Window System.

**Screen Shots of Output on Console:**



