OUTPUT:

Files Dictionary : {'steelers': [0, 3, 4], 'bengals': [0, 3, 5], 'packers': [0, 1, 2, 4], 'patriots': [1]}

Inverted Index {'steelers': [0, 3, 4], 'bengals': [0, 3, 5], 'packers': [0, 1, 2, 4], 'patriots': [1]}

Encrypted Inverted Index {'13-91-AE-54-50-4E-48-D6-8C-B2-19-BA-E7-00-49-EB': [0, 3, 4], '61-C2-9F-47-BC-50-42-E2-1C-65-A0-39-6E-95-A0-CB': [0, 3, 5], '50-94-14-1B-DF-8B-CA-34-6A-2C-5C-DC-57-E4-49-94': [0, 1, 2, 4], '06-24-AB-7A-E4-11-D1-68-37-76-E5-2F-89-D4-E5-D0': [1]}

Completed Decryption of the Inverted index

decrypted inverted Index : {'steelers': [0, 3, 4], 'bengals': [0, 3, 5], 'packers': [0, 1, 2, 4], 'patriots': [1]}

Enter the number of words you want to search in the indexbengals

\*\*Enter number of word you want to search\*\*

Enter the number of words you want to search in the index1

Enter the wordbengals

61-C2-9F-47-BC-50-42-E2-1C-65-A0-39-6E-95-A0-CB

this word is in files [0, 3, 5]

\*\*\*

indexes of the files for all Words {0, 3, 5}

file: 0

-

-

- bengals

-

- steelers

-

- packers

-

None

file: 3

-

-

- steelers

-

- bengals

-

None

file: 5

-

-

- bengals

-

None