CSCI-4130 Project 2

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Instructions:

Run the program, it will ask for the length of the postings list.



After entering a length, the program will ask for the values until the list is full.



Text

Description automatically generated

After filling the postings list it will display the variable gap list and exit.



Example:

Length of 5.



Our values

Text

Description automatically generated



Manually converting these values to binary gets us:

10001010 10000101 10010001 10100000 00111111 11000001

Which converts to the gap list:

10, 5, 17, 32, 191

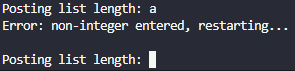
Which finally is the posting list

10, 15, 32, 64, 255

Test Cases:

The above example is a test case of it working.

If a non-integer is entered into the length:



If a non-integer is entered into a value of the posting list:

Text

Description automatically generated

If a value less than or equal to zero is entered into the length:



If a value less than or equal to zero is entered as a doc id:

Text

Description automatically generated

If a value less than or equal to the last value is entered as a doc id:

Text

Description automatically generated