1. Write a C++ Program to accept a line of text and count the number of words,characters and digits in it.

```cpp
#include <iostream>
#include <string>
#include <cctype>

using namespace std;

int main()
{
char line[100];
   int wordCount = 0, charCount = 0, digitCount = 0;

   cout << "Enter a line of text: ";
    gets( line);

   for (int i = 0; i < strlen(line); i++)
   {
   if (isalpha(line[i]))
   {
   charCount++;
   }
   else if (isdigit(line[i]))
   {
   digitCount++;
   }

     if (isspace(line[i]) && !isspace(line[i-1]))
   {
   wordCount++;
   }
   }
```

```cpp
    // count the last word if it exists
    if (!isspace(line[line.length()-1]))
    {
    wordCount++;
    }


    cout << "Word count: " << wordCount
    << endl; cout << "Character count: " <<
    charCount << endl;cout << "Digit count:
    " << digitCount << endl;


    return 0;
}
```