

20BCS042 MOHD ADIL

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    char text[1000];
```

```
    printf("Text->");
```

```
    gets(text);
```

```
    int spaces = 0, tabs = 0, sentences = 0, lines = 0, vowels = 0;
```

```
    for (int i = 0; text[i] != '\0'; i++)
```

```
    {
```

```
        if (text[i] == ' ')
```

```
        {
```

```
            ++spaces;
```

```
        }
```

```
        else if (text[i] == '\t')
```

```
        {
```

```
            tabs++;
```

```
        }
```

```
        if (text[i] == '.')
```

```
        {
```

```
            sentences++;
```

```
        }
```

```
        else if (text[i] == '\n')
```

```
        {
```

```
            lines++;
```

```
        }
```

```
        else if (text[i] == 'a' || text[i] == 'e' || text[i] == 'i' || text[i] == 'o' || text[i] == 'u' ||
```

```
                text[i] == 'A' || text[i] == 'E' || text[i] == 'I' || text[i] == 'O' || text[i] == 'U')
```

```
        {
```

```
            vowels++;
```

```
        }
```

```
}
```

```

printf("\nTotal space in piece of text is -> %d", spaces);

printf("\nTotal tabs in piece of text is -> %d", tabs);

printf("\nTotal sentences in piece of text is -> %d", sentences);

printf("\nTotal lines in piece of text is -> %d", lines);

printf("\nTotal no of vowel in peace of text is -> %d", vowels);

return 0;

}

```

OUTPUT:

```

PS C:\Users\aadil\Desktop\CSE\clab> cd "c:\Users\aadil\Desktop\CSE\clab\" ; if ($?) { gcc program7.c -o program7 } ;
if ($?) { .\program7 }
Text->Hello good evening, all. I am Mohd Adil currently a 2nd year cse undergrad writing this paragraph to test my
program. This program will check the number of spaces, tabs, sentences and number of vowels in a piece of text.

Total space in piece of text is -> 35
Total tabs in piece of text is -> 0
Total sentences in piece of text is -> 2
Total lines in piece of text is -> 0
Total no of vowel in peace of text is -> 50
PS C:\Users\aadil\Desktop\CSE\clab> 

```