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You have compiled this exercise

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Write a program that prompts the user for a word (max 15 lower-case letters) and calculates the number of vowels (a, e, i, o, u, y) in the word. Hint:
You have learned to compare the value of a character variable to 'a', for example. You can use an index to refer to single characters in a string array. (char[] = "word"; word[1] == 'a';)

Example output:

```
The program calculates the number of vowels.
Enter a word:test
The word contains 1 vowels.
```

The verification of program output does not account for whitespace characters like "\n", "\t" and " "

- program.c

```
1  #include <stdio.h>
2  int main()
3  {
4      char s[1000];
5      int c;
6      int count;
7
8      printf("The program calculates the number of vowels.\n");
9      printf("Enter a word:");
10     scanf("%s", s);
11
12     while (s[c] != '\0')
13     {
14         if (s[c] == 'a' || s[c] == 'A' || s[c] == 'e' || s[c] == 'E'
15         || s[c] == 'i' || s[c] == 'I' || s[c] == 'o' || s[c] == 'O'
16         || s[c] == 'u' || s[c] == 'U' || s[c] == 'y' || s[c] == 'Y')
17             count++;
18         c++;
19     }
20
21     printf("The word contains %d vowels.", count);
22
23     return 0;
24 }
```

Position: Ln 1 Ch 1 Full screen (Esc to exit)

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