[15 marks] There are **4 lines containing logical errors** (1 mark for each correctly identified line and 1 mark for correctly fixing each error). **Record your answer in Blackboard (line# : type entire line correction)**

BELOW CODE OUTPUTS THIS: (FIX IT!!)	**THIS IS WHAT IT SHOULD OUTPUT:**
Enter a string: **C Programming IPC 144** C Programming IPC 144 Vowels: 3 Consonants: 0 Other: 18	Enter a string: **C Programming IPC 144** 441 ++I ++i++a++o++ + Vowels: 4 Consonants: 11 Other: 6

```
01 #include <stdio.h>
02 #include <string.h>
03 #include <ctype.h>
04
05 #define SIZE 30
06
07 void extract(char c, int* count1, int *count2, int* count3)
08 {
09    if ((c == ' ' && !isdigit(c)) || isalpha(c))
10    {
11       putchar(c);
12       (*count3)++;
13    }
13    else if((c != 'a' && c != 'A' && c != 'e' && c != 'E' && c != 'i' &&
14             c != 'I' && c != 'o' && c != 'O' && c != 'u' && c != 'U') || isdigit(c))
15    {
16       putchar(c);
17       (*count1)++;
18    }
19    else
20    {
21       putchar('+');
22       (*count2)++;
23    }
24 }
25
26 void extractDetails(char* str, int* count1, int* count2, int* count3)
27 {
28    int i, len = str == NULL ? 0 : strlen(str);
29
30    for (i = 0; i < len; i++)
31    {
32       extract(str[i], count1, count2, count3);
33    }
34 }
35
36 int main(void)
37 {
38    int vowels = 0, consonants = 0, other = 0;
39    char input[SIZE + 1] = { 0 };
40
41    printf("Enter a string: ");
42    scanf("%30[^\n]", input);
43    extractDetails(input, &vowels, &consonants, &other);
44    printf("\nVowels: %d Consonants: %d Other: %d\n", vowels, consonants, other);
45
46    return 0;
47 }
```