```c
 1  #include <stdio.h> //for printf()
 2  #include <conio.h> //for getch()
 3
 4  // ASCII Values For 'A' to 'Z' => 65 to 90
 5  #define CHAR_ALPHABET_UPPER_CASE_BEGINNING 65
 6  #define CHAR_ALPHABET_UPPER_CASE_ENDING 90
 7
 8  // ASCII Values For 'a' to 'z' => 97 to 122
 9  #define CHAR_ALPHABET_LOWER_CASE_BEGINNING 97
10  #define CHAR_ALPHABET_LOWER_CASE_ENDING 122
11
12  // ASCII Values For '0' to '9' => 48 to 57
13  #define CHAR_DIGIT_BEGINNING 48
14  #define CHAR_DIGIT_ENDING 57
15
16  int main(void)
17  {
18      //variable declarations
19      char ch;
20      int ch_value;
21
22      //code
23      printf("\n\n");
24
25      printf("Enter Character : ");
26      ch = getch();
27
28      printf("\n\n");
29
30      if ((ch == 'A' || ch == 'a') || (ch == 'E' || ch == 'e') || (ch == 'I' || ch
           == 'i') || (ch == 'O' || ch == 'o') || (ch == 'U' || ch == 'u'))
31      {
32          printf("Character \'%c\' Entered By You, Is A VOWEL CHARACTER From The
               English Alphabet !!!\n\n", ch);
33      }
34
35      else
36      {
37          ch_value = (int)ch;
38
39          //If The Character Has ASCII Value Between 65 AND 90 OR Between 97 AND
               122, It Is Still A Letter Of The Alphabet, But It Is A 'CONSONANT', and
               NOT a 'VOWEL'...
40          if ((ch_value >= CHAR_ALPHABET_UPPER_CASE_BEGINNING && ch_value <=
               CHAR_ALPHABET_UPPER_CASE_ENDING) || (ch_value >=
               CHAR_ALPHABET_LOWER_CASE_BEGINNING && ch_value <=
               CHAR_ALPHABET_LOWER_CASE_ENDING))
41          {
42              printf("Character \'%c\' Entered By You, Is A CONSONANT CHARACTER From
                   The English Alphabet !!!\n\n", ch);
43          }
44
```

```
45          else if (ch_value >= CHAR_DIGIT_BEGINNING && ch_value <=
               CHAR_DIGIT_ENDING)
46          {
47              printf("Character \'%c\' Entered By You, Is A DIGIT CHARACTER !!!\n
                   \n", ch);
48          }
49
50          else
51          {
52              printf("Character \'%c\' Entered By You, Is A SPECIAL CHARACTER !!!\n
                   \n", ch);
53          }
54      }
55
56      return(0);
57  }
58
```