

Medi-Caps University



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COMPUTER PROGRAMMING

Programming Assignment

Submitted To
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- Program to check given char is vowel or consonant

I. Input of program

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

```
int main()
```

```
{
```

```
    char c;
```

```
    int lowercase_vowel, uppercase_vowel;
```

```
    printf("Enter an alphabet: ");
```

```
    scanf("%c", &c);
```

```
    lowercase_vowel = (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u');
```

```
    uppercase_vowel = (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U');
```

```
    if (lowercase_vowel || uppercase_vowel)
```

```
        printf("%c is a vowel.", c);
```

```
    else
```

```
        printf("%c is a consonant.", c);
```

```
    return 0;
```

```
}
```

```
#include <stdio.h>
int main() {
    char c;
    int lowercase_vowel, uppercase_vowel;
    printf("Enter an alphabet: ");
    scanf("%c", &c);

    lowercase_vowel = (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u');
    uppercase_vowel = (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U');

    if (lowercase_vowel || uppercase_vowel)
        printf("%c is a vowel.", c);
    else
        printf("%c is a consonant.", c);
    return 0;
}
```

II. Output of Program

1st case (console)

```
Enter an alphabet: w
w is a consonant.

...Program finished with exit code 0
Press ENTER to exit console.
```

(When char is console)

2nd case (Vowel)

```
Enter an alphabet: o
o is a vowel.

...Program finished with exit code 0
Press ENTER to exit console.
```

(When char is vowel)