Question No-16:

//Program to check whether the inputted character is vowel or consonant

```c
#include<stdio.h>
int main()
{
    char ch;
    printf("Enter a Character :");
    scanf("%c",&ch);
    ch=tolower(ch);
    printf("\n---------------------------------");
    if(ch=='a'||ch=='e'||ch=='i'||ch=='o'||ch=='u')
        printf("\nIt is an vowel");
    else
        if(ch>=0&&ch<=64||ch>=92&&ch<=96||ch>=123&&ch<=255)
            printf("\n\"Invalid Input\"");
    else
        printf("\nIt is a consonant");
        return 0;
}
```
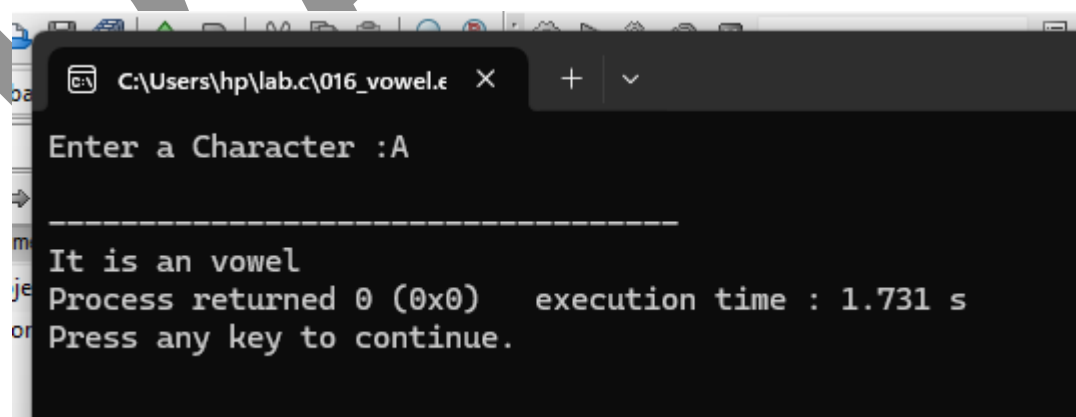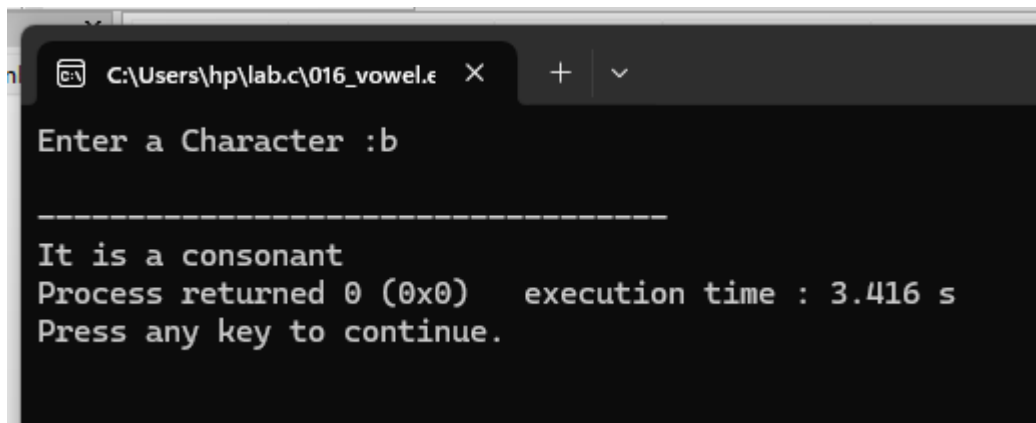
Test Case-1:
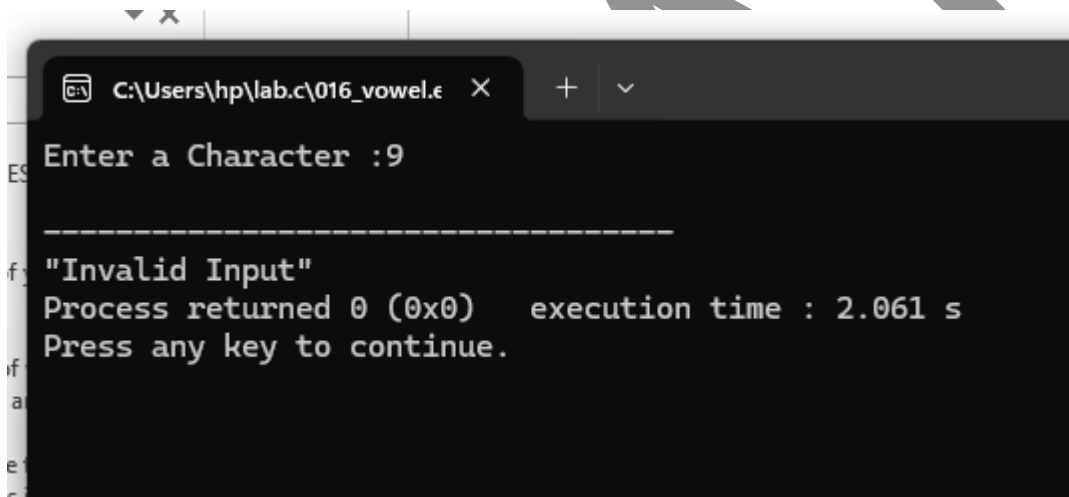
Test Case-2:

```
C:\Users\hp\lab.c\016_vowel.e    ✕    +    ∨

Enter a Character :b


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It is a consonant
Process returned 0 (0x0)   execution time : 3.416 s
Press any key to continue.
```

Test Case-3:

```
C:\Users\hp\lab.c\016_vowel.e    ✕    +    ∨

Enter a Character :9


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"Invalid Input"
Process returned 0 (0x0)   execution time : 2.061 s
Press any key to continue.
```