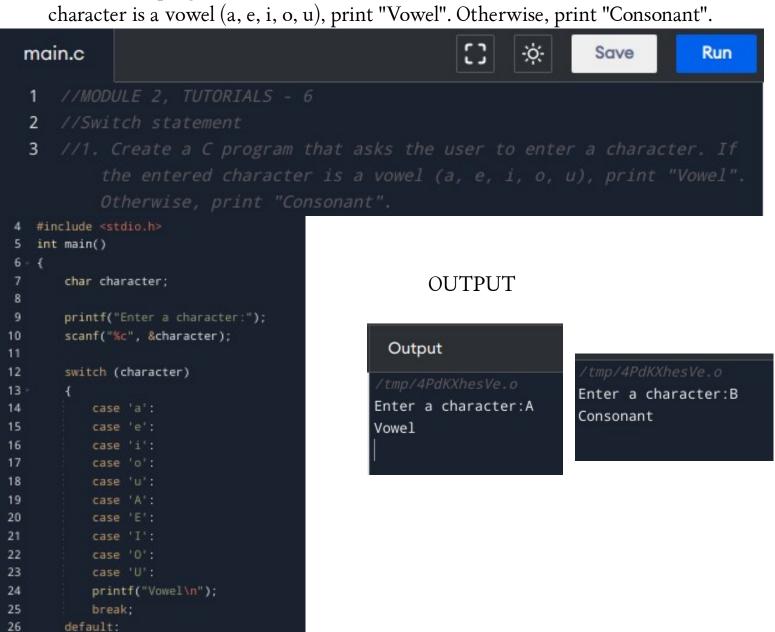
TUTORIALS - 6

(MODULE - 2)

1. Create a C program that asks the user to enter a character. If the entered character is a vowel (a, e, i, o, u), print "Vowel". Otherwise, print "Consonant"



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printf("Consonant\n");

return 0;

2. Create a C program that prompts the user to enter a month number (1 to 12) and displays the number of days in that month. Consider a non-leap year.

```
#include <stdio.h>
    int main()
 6
        int month;
 8
 9
        printf("Enter a Number:");
10
        scanf("%d", &month);
11
12
        switch (month)
13
14
15
16
            case 3:
17
            case 5:
18
19
            case 8:
20
21
22
            printf("Number of days: 31\n");
23
            break;
24
25
 26
                                                                   Output
 27
             case 6:
 28
                                                                 Enter a Number:3
 29
                                                                 Number of days: 31
             printf("Number of days: 30\n");
 30
31
             break;
 32
 33
 34
             printf("Number of days: 28\n");
 35
                                                                 Enter a Number:2
 36
                                                                 Number of days: 28
 37
         default:
         printf("Invalid Month Number\n");
 38
 39
40
41
         return 0;
```

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3. Write a C program to convert temperatures between Celsius and Fahrenheit. Ask the user to choose the conversion type (Celsius to Fahrenheit or Fahrenheit to Celsius) and input the temperature. Use a switch case to perform the conversion and display the result.

```
main.c

1 //MODULE 2, TUTORIALS - 6
2 //Switch statement
3 //3. Write a C program to convert temperatures between Celsius and Fahrenheit. Ask the user to choose the conversion type (Celsius to Fahrenheit or Fahrenheit to Celsius) and input the temperature . Use a switch case to perform the conversion and display the result.
```

```
#include<stdio.h>
   int main()
        int a;
        float temperature, Converted_Temp;
       printf("Select Type of Conversion:\n");
       printf("1. Celsius to Fahrenheit\n");
       printf("2. Fahrenheit to Celsius\n");
       scanf("%d", &a);
       switch(a)
16
           printf("Enter the temperature in Celsius: ");
           scanf("%f", &temperature);
20
          Converted_Temp=(9/5)*temperature+32;
           printf("%f",Converted_Temp);
22
           break;
23
24
25
           printf("Enter the temperature in Fahrenheit: ");
26
           scanf("%f", &temperature);
27
           Converted_Temp=((temperature-32)*5)/9;
28
            printf("%f",Converted_Temp);
29
           break;
30
                default:
31
                printf("In valid choice!\n");
32
33
                break;
34
35
36
```

37

OUTPUT

```
Output

/tmp/4PdKXhesVe.o

Select Type of Conversion:

1. Celsius to Fahrenheit

2. Fahrenheit to Celsius

1

Enter the temperature in Celsius: 40

72.000000
```