

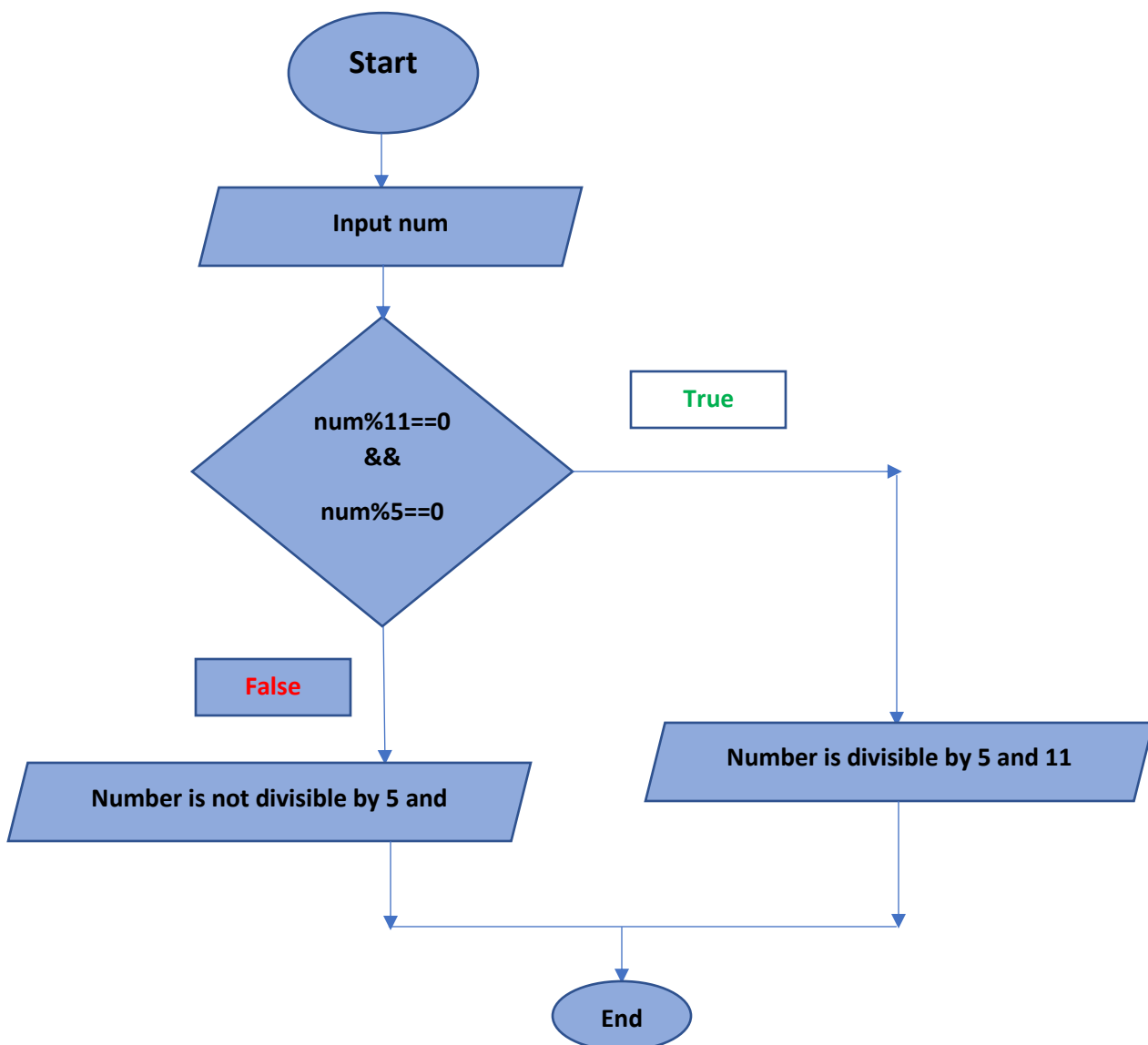
Problem no -1

Title :

Write a C program to check whether a number is divisible by 5 and 11 or not.

Procedure :

Flow Chart :



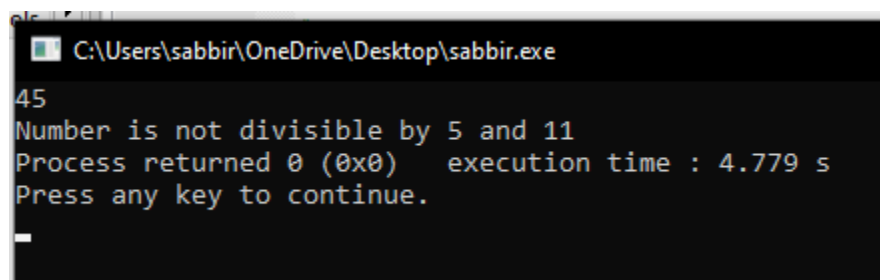
Code :

```
#include<stdio.h>

int main ()
{
    int num;
    scanf("%d",&num);
    if(num%11==0&&num%5==0)
    {
        printf("Number is divisible by 5 and 11");
    }
    else
        printf("Number is not divisible by 5 and 11");

    return 0;
}
```

Output :



```
C:\Users\sabbir\OneDrive\Desktop\sabbir.exe
45
Number is not divisible by 5 and 11
Process returned 0 (0x0)   execution time : 4.779 s
Press any key to continue.
```

Problem -2

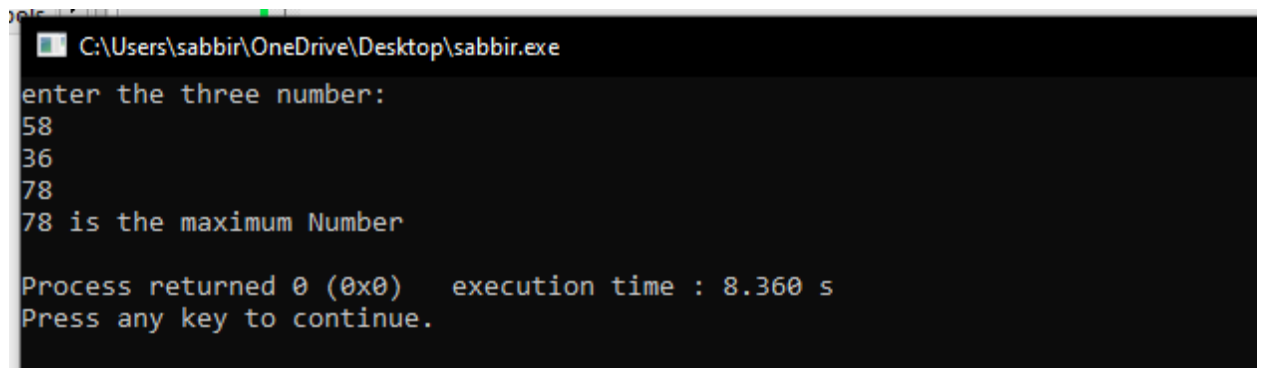
Title :

Write a C program to find maximum between three numbers.

Code :

```
#include<stdio.h>
int main ()
{
    int a,b,c;
    printf("Enter the three number:\n");
    scanf("%d %d %d",&a,&b,&c);
    if(a>b&&a>c)
    {
        printf("%d is the maximum Number\n",a);
    }
    else if (b>a&&b>c)
    {
        printf("%d is the maximum Number\n",b);
    }
    else
    {
        printf("%d is the maximum Number\n",c);
    }
    return 0;
}
```

Output:



```
C:\Users\sabbir\OneDrive\Desktop\sabbir.exe
enter the three number:
58
36
78
78 is the maximum Number

Process returned 0 (0x0)   execution time : 8.360 s
Press any key to continue.
```

Problem-3

Title :

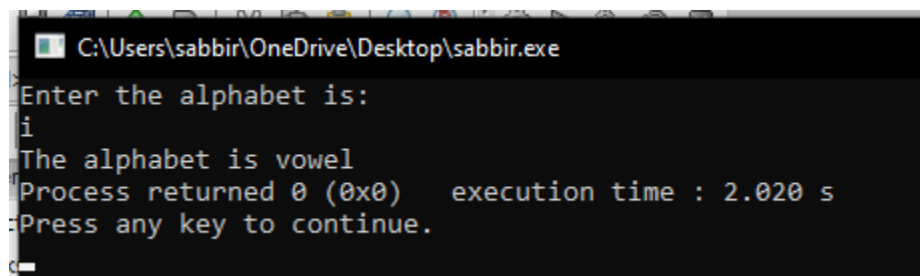
Write a Program to take the value from the user as input any alphabet and check whether it is vowel or consonant (Using the switch statement).

Code:

```
#include<stdio.h>
int main ()
{
    char alp;
    printf("Enter the alphabet is:\n");
    scanf("%c",&alp);
    switch(alp)
    {case 'a':
    printf("The alphabet is vowel");
    break;
    case 'e':
    printf("The alphabet is vowel");
    break;
    case 'i':
    printf("The alphabet is vowel");
    break;
    case 'o':
    printf("The alphabet is vowel");
    break;
    case 'u':
    printf("The alphabet is vowel");
    break;
```

```
    case 'A':
    printf("The alphabet is vowel");
    break;
    case 'E':
    printf("The alphabet is vowel");
    break;
    case 'I':
    printf("The alphabet is vowel");
    break;
    case 'O':
    printf("The alphabet is vowel");
    break;
    case 'U':
    printf("The alphabet is vowel");
    break;
    default:
        printf("This is consonant");
    }
    return 0;
}
```

Output:



```
C:\Users\sabbir\OneDrive\Desktop\sabbir.exe
Enter the alphabet is:
i
The alphabet is vowel
Process returned 0 (0x0) execution time : 2.020 s
Press any key to continue.
```

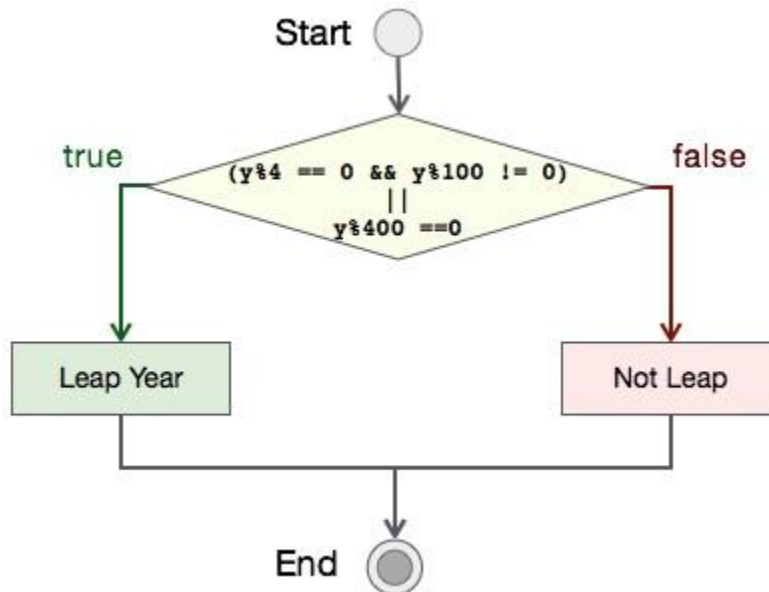
Problem-4

Title:

Write a C program to check whether a year is leap year or not.

Procedure:

Flow chart:



Code:

```
#include<stdio.h>

int main ()
{
    int y;

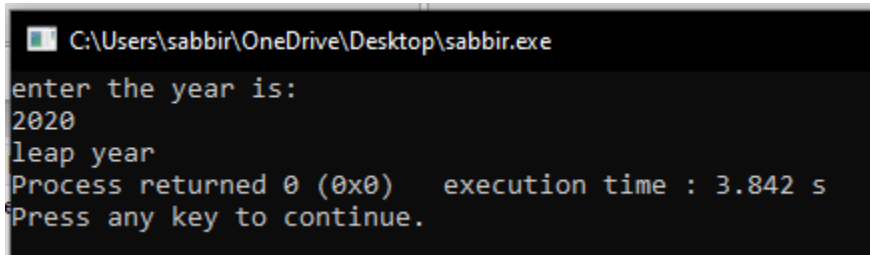
    printf("Enter the year:\n");

    scanf("%d",&y);

    if(((y%4==0)&&(y%100!=0)) || (y%400==0))
    {
        printf("leap year");
    }
    else
    printf("Not leap year");

    return 0;
}
```

Output:



```
C:\Users\sabbir\OneDrive\Desktop\sabbir.exe
enter the year is:
2020
leap year
Process returned 0 (0x0)   execution time : 3.842 s
Press any key to continue.
```