TASK: SCOPE RESOLUTION OPERATOR

1. LEARN ABOUT SCOPE RESOLUTION OPERATOR(::).WHAT IS ITS SYNTAX AND WHAT ARE THE DIFFERENT USES OF IT?

The scope resolution operator (::) is used for several reasons. For example: If the global variable name is same as local variable name, the scope resolution operator will be used to call the global variable. It is also used to define a function outside the class and used to access the static variables of class.

SYNTAX:

::

USES:

The scope resolution operator helps to identify and specify the context to which an identifier refers, particularly by specifying a namespace. The specific uses vary across different programming languages with the notions of scoping. In many languages the scope resolution operator is written "::".

2.WRITE A C++ PROGRAM TO COUNT NUMBER OF VOWELS AND CONSONANTS

   IN A GIVEN STRING ,

A.USER WILL INPUT STRING.

B.MAKE A FUNCTION COUNT() AND DECLARE IT OUTSIDE THE CLASS.

C.EXAMPLE OUTPUT:

STRING: YOU ARE AWESOME.

VOWELS:8

#include<iostream.h>

using namespace std;

int main()

```cpp
{

    char x[10];

    int n,i,count=0;

    cout<<"Enter any string\n";

    cin>>x;

    n=strlen(x);

    for(i=0;i<n;++i)

    {

        if(x[i]=='a'||x[i]=='e'||x[i]=='i'||x[i]=='o'||x[i]=='u'||x[i]=='A'||x[i]=='E'||x[i]=='I'||x[i]=='O'||x[i]=='U')

        {

            count=count+1;

        }
```

```
    }

    cout<<count;

    return 0;

}
```