

Program:1

```
#include<iostream>

using namespace std;

int main()

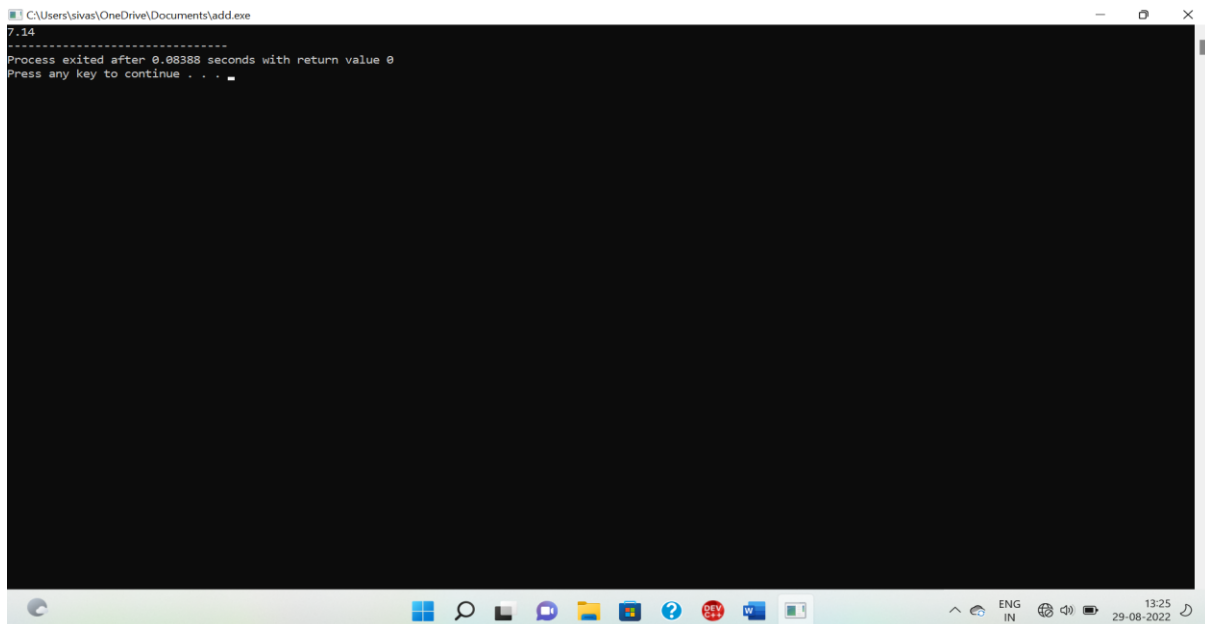
{

    float x=3.14,y=4;

    cout<<x+y;

}
```

Output:

A screenshot of a Windows command prompt window. The title bar shows the file path "C:\Users\sivas\OneDrive\Documents\add.exe". The window content displays the output of the program: "7.14", followed by a separator line "-----", and then a status message: "Process exited after 0.08388 seconds with return value 0". Below this, it says "Press any key to continue . . .". The window is currently paused, waiting for a key press. The Windows taskbar is visible at the bottom, showing various application icons and the system clock indicating 13:25 on 29-08-2022.

Program:2

```
#include<iostream>

using namespace std;

int main()

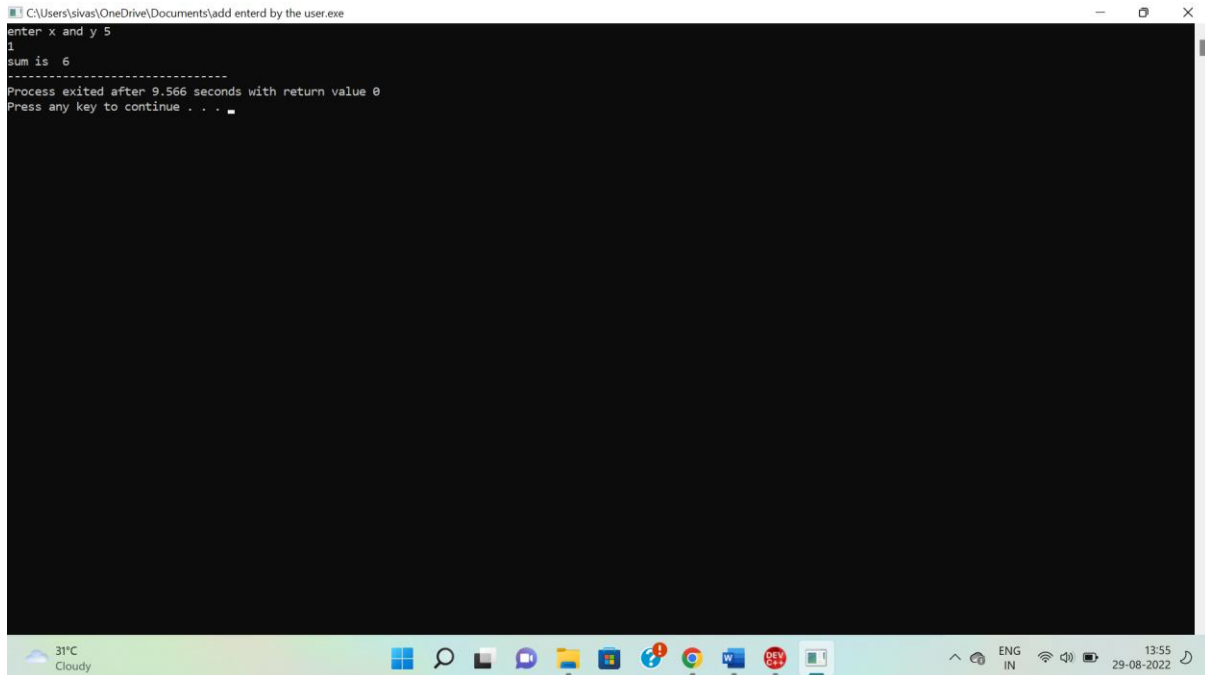
{

    int x,y;

    cout<<"enter x and y";
```

```
    cin>>x>>y;  
  
    cout<<"sum is "<<x+y;  
  
}
```

Output:-



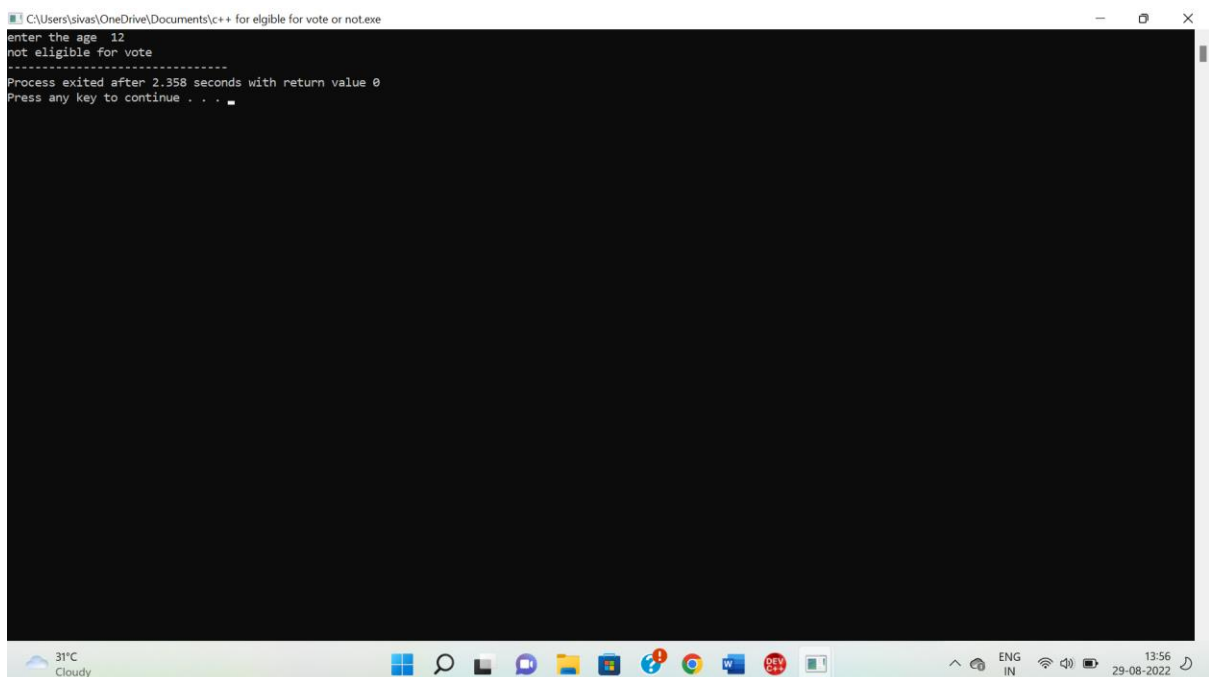
```
C:\Users\sivas\OneDrive\Documents\add entered by the user.exe  
enter x and y 5  
sum is 6  
-----  
Process exited after 9.566 seconds with return value 0  
Press any key to continue . . .
```

Program:3

```
#include<iostream>  
  
using namespace std;  
  
int main()  
{  
    int age;  
    cout<<"enter the age ";  
    cin>>age;  
    if(age>0&&int(age))  
    {  
        if(age>=18)
```

```
{  
    cout<<"eligible for vote";  
}  
else  
{  
    cout<<"not eligible for vote";  
}  
}  
else  
{  
    cout<<"not accepted";  
}  
return 0;  
}
```

Output:-



The screenshot shows a Windows command prompt window titled "C:\Users\sivas\OneDrive\Documents\c++ for eligible for vote or not.exe". The user has entered the age 12, and the program has output "not eligible for vote". The window also displays the process exit time and a prompt to press any key to continue. The Windows taskbar at the bottom shows the date as 29-08-2022 and the time as 13:56.

```
C:\Users\sivas\OneDrive\Documents\c++ for eligible for vote or not.exe  
enter the age 12  
not eligible for vote  
-----  
Process exited after 2.358 seconds with return value 0  
Press any key to continue . . .
```

Program:4

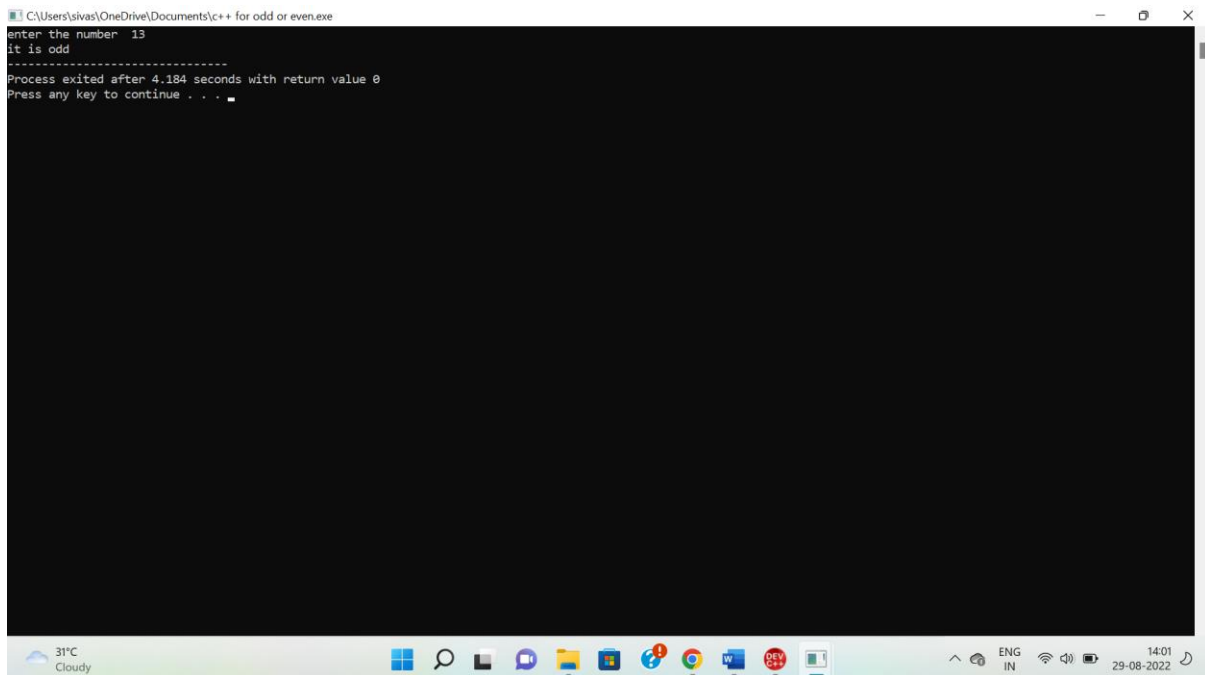
```
#include<iostream>

using namespace std;

int main()
{
    int num;
    cout<<"enter the number ";
    cin>>num;
    if(int(num))
    {
        if(num%2==0)
        {
            cout<<"it is even";
        }
        else
        {
            cout<<"it is odd";
        }
    }
    else
    {
        cout<<"it is not accepted";
    }
    return 0;
```

```
}
```

Output:-



```
C:\Users\sivas\OneDrive\Documents\c++ for odd or even.exe
enter the number 13
it is odd
-----
Process exited after 4.184 seconds with return value 0
Press any key to continue . . .
```

Program:5

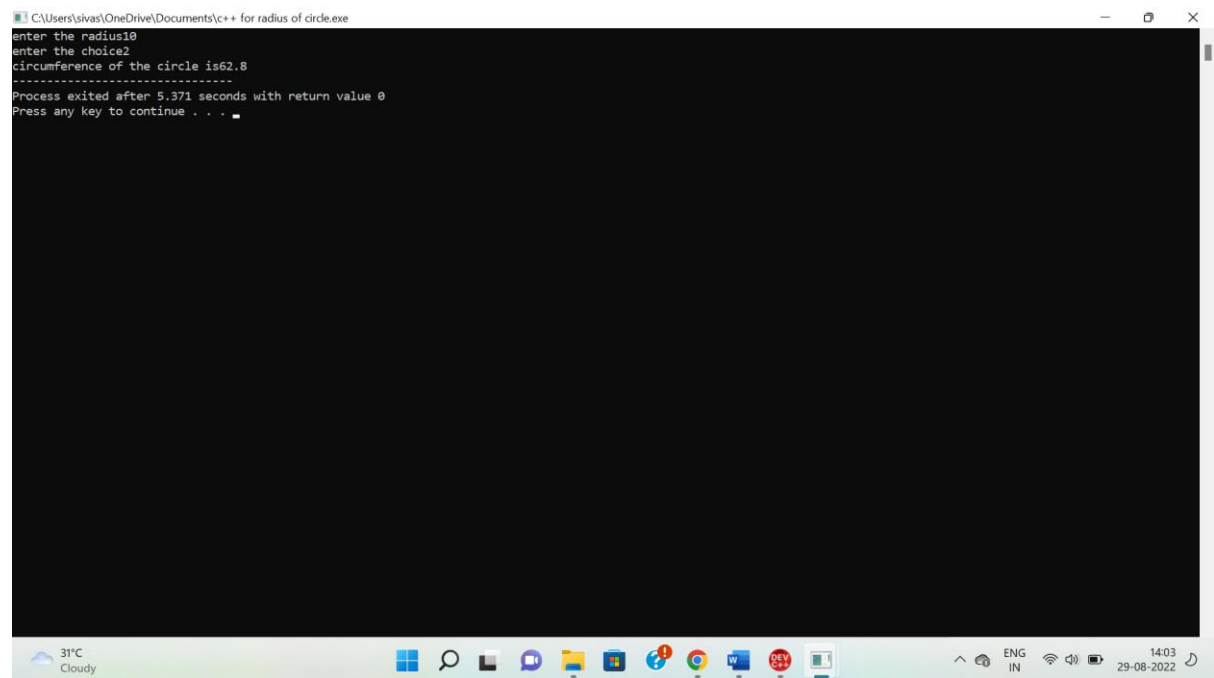
```
#include<iostream>

using namespace std;

int main()
{
    int choice;
    float radius;
    cout<<"enter the radius";
    cin>>radius;
    cout<<"enter the choice";
    cin>>choice;
    switch(choice)
    {
```

```
        case 1:
            {
                cout<<"radius of the circle
is"<<3.14*radius*radius;
            }
            break;
        case 2:
            {
                cout<<"circumference of the circle
is"<<2*3.14*radius;
            }
            break;
        default:
            cout<<"enter the valid choice";
    }
    return 0;
}
```

Output:-



```
C:\Users\sivas\OneDrive\Documents\c++ for radius of circle.exe
enter the radius:10
enter the choice:2
circumference of the circle is:62.8
-----
Process exited after 5.371 seconds with return value 0
Press any key to continue . . .
```

The screenshot shows a Windows command prompt window titled "C:\Users\sivas\OneDrive\Documents\c++ for radius of circle.exe". The window contains the following text: "enter the radius:10", "enter the choice:2", "circumference of the circle is:62.8", a line of dashes "-----", "Process exited after 5.371 seconds with return value 0", and "Press any key to continue . . .". The Windows taskbar is visible at the bottom, showing the Start button, search icon, and several application icons including File Explorer, Microsoft Edge, and Visual Studio Code. The system tray on the right shows the date and time as "14:03 29-08-2022".