

DSA 0136 OBJECT ORIENTED PROGRAMMING WITH C++ FOR SCANNING

DATE:27/08/2022

1)Write a c++ program for addition of two numbers

using namespace std;

```
#include<iostream>
```

```
int main()
```

```
{
```

```
    int x,y;
```

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

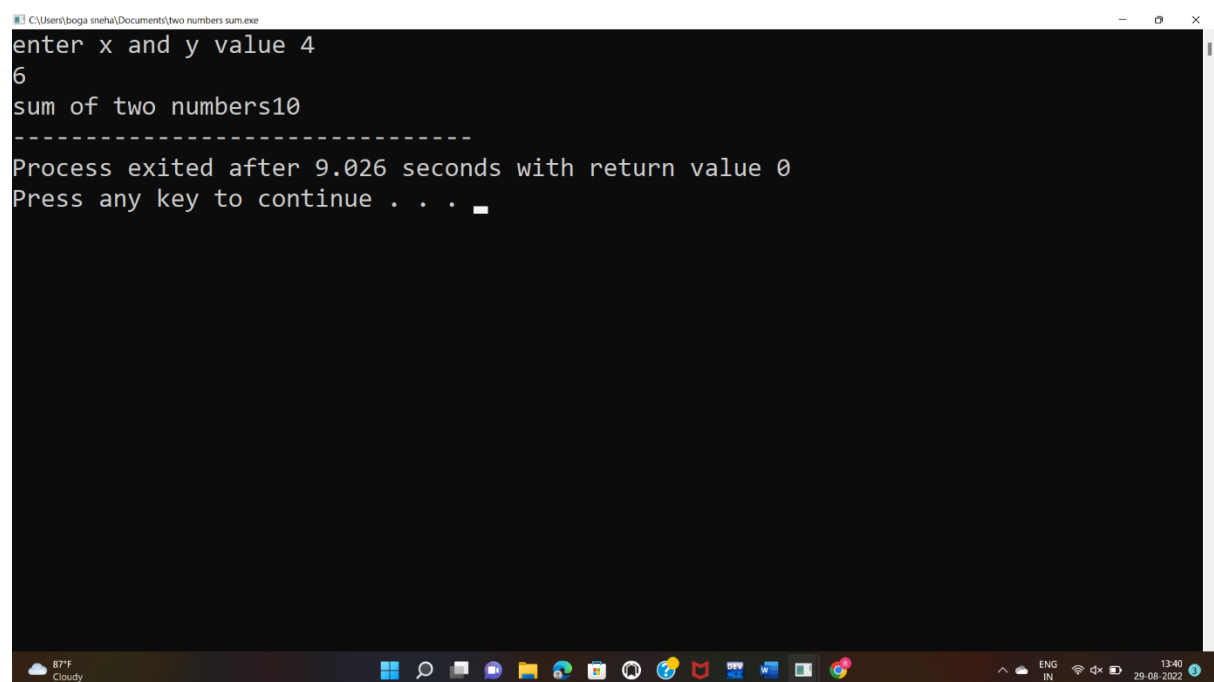
```
    cin>>x>>y;
```

```
    cout<<"sum of two numbers"<<x+y;
```

```
    return 0;
```

```
}
```

OUT PUT:



The screenshot shows a Windows command prompt window titled "C:\Users\boga sneha\Documents\two numbers sum.exe". The program prompts the user to "enter x and y value". The user enters "4" for x and "6" for y. The program outputs "sum of two numbers10". Below this, it shows "-----", "Process exited after 9.026 seconds with return value 0", and "Press any key to continue . . .". The Windows taskbar at the bottom shows the date as 29-08-2022 and the time as 13:40.

```
enter x and y value 4
6
sum of two numbers10
-----
Process exited after 9.026 seconds with return value 0
Press any key to continue . . .
```

DATE:29/08/2022

2)Write a c++ program for finding a person is eligible or not for voting

using namespace std;

```
#include<iostream>
```

```
int main()
```

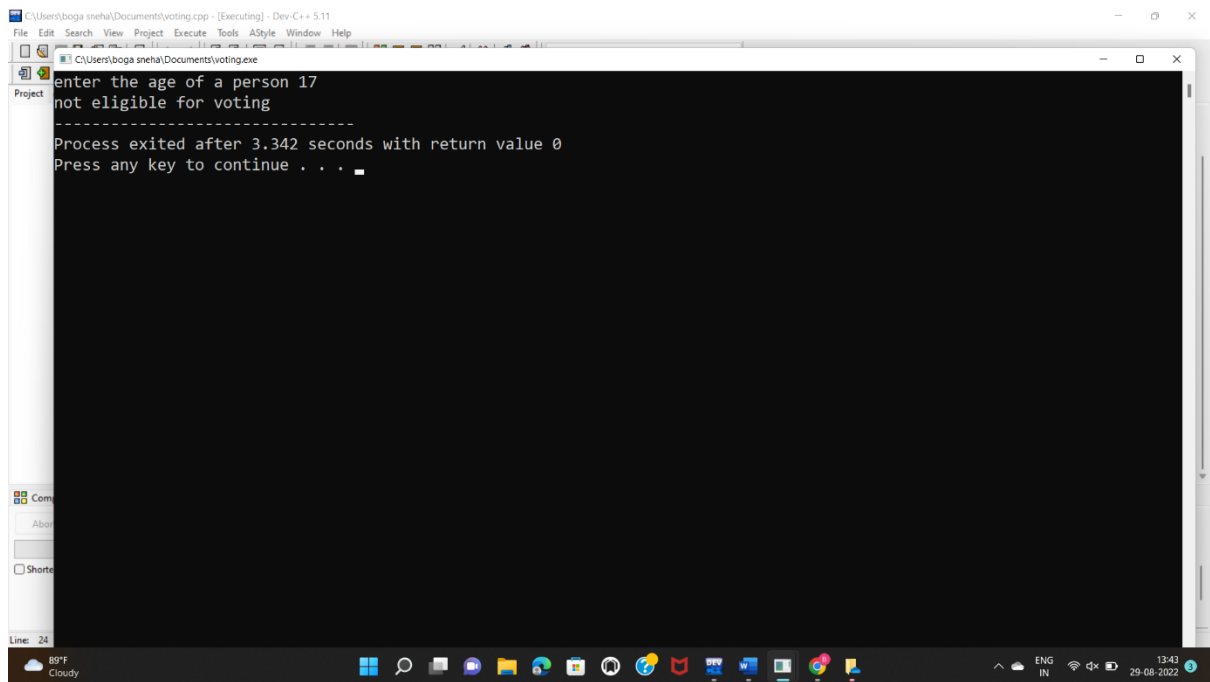
```

{
    int age;
    cout<<"enter the age of a person";
    cin>>age;
    if (age>0&&int(age))
    {
        {
            if (age>=18)
            {
                cout<<"eligible for voting";
            }
            else
            {
                cout<<"not eligible for voting";
            }
        }
    }

    else
    {
        cout<<"enter a valid age for voting";
    }
    return 0;
}

```

OUTPUT:

A screenshot of a Windows desktop showing the Dev-C++ IDE. The main window displays the output of a C++ program. The program prompts the user to "enter the age of a person" and the user has entered "17". The program then outputs "not eligible for voting". Below this, it states "Process exited after 3.342 seconds with return value 0" and "Press any key to continue . . .". The taskbar at the bottom shows the system clock as 13:43 on 29-08-2022, along with weather and network icons.

```
C:\Users\boga sneha\Documents\voting.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
C:\Users\boga sneha\Documents\voting.exe
Project
enter the age of a person 17
not eligible for voting
-----
Process exited after 3.342 seconds with return value 0
Press any key to continue . . .
Line: 24
89°F Cloudy
ENG IN
13:43
29-08-2022
```

3)Write a c++ program for a given number is even or odd

using namespace std;

#include<iostream>

int main()

{

int num;

cout<<"enter a number";

cin>>num;

if (num>0&&int(num))

{

if (num%2==0)

{

cout<<"even number";

}

else

{

cout<<"odd number";

}

}

```

        else
        {
            cout<<"enter a positive number";
        }
        return 0;
    }
}

```

OUTPUT:

```

C:\Users\boga sneha\Documents\odd or even.exe
enter a number 46
even number
-----
Process exited after 4.11 seconds with return value 0
Press any key to continue . . .

```

4)Write a c++ program for to find the area of the circle and circumference of the circle using switch case statement

using namespace std;

#include<iostream>

int main()

```

{
    float r;
    cout<<"enter the radius";
    cin>>r;
    int exp;
    cout<<"enter choice(1-2)";
    cin>>exp;
}

```

```

switch (exp)
{
    case 1:
        cout<<"area of a circle"<<3.14*r*r;
        break;

    case 2:
        cout<<"circumference of a circle"<<2*3.14*r;
        break;

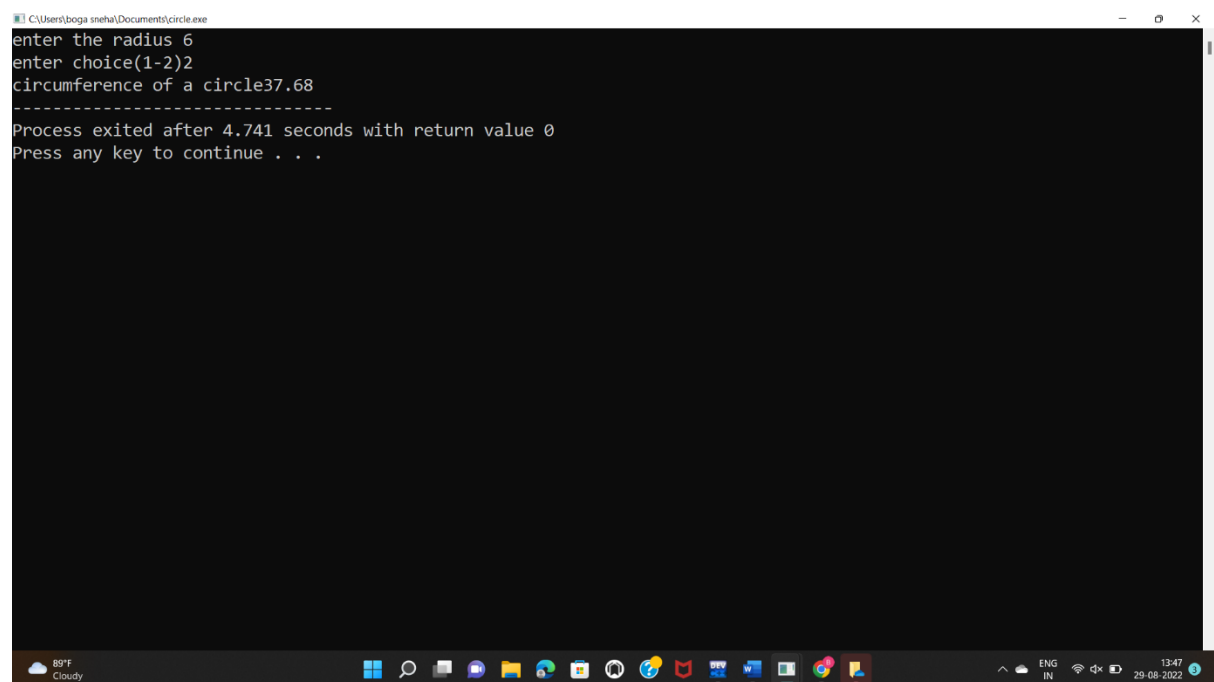
    default:
        cout<<"enter correct radius value";
        break;

}

return 0;
}

```

OUTPUT:



```

C:\Users\boga sneha\Documents\circle.exe
enter the radius 6
enter choice(1-2)2
circumference of a circle37.68
-----
Process exited after 4.741 seconds with return value 0
Press any key to continue . . .

```