

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";
```

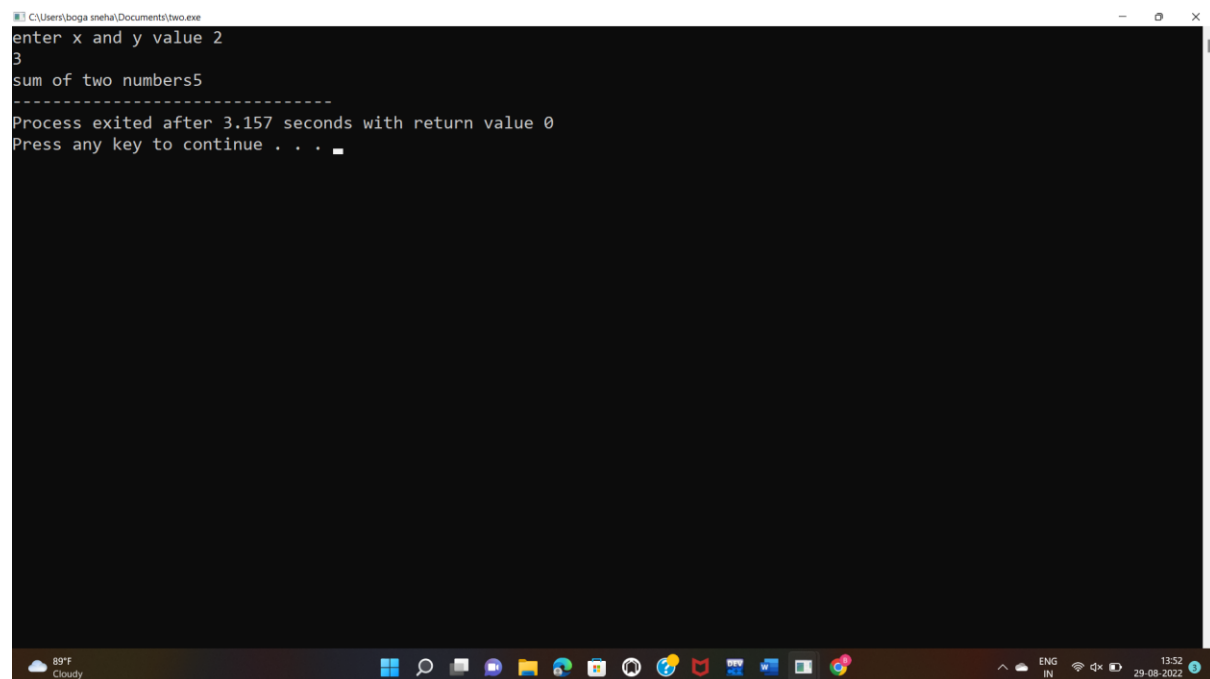
```
    cin>>x>>y;
```

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

```
    return 0;
```

```
}
```

OUT PUT:



```
C:\Users\boga sneha\Documents\two.exe
enter x and y value 2
3
sum of two numbers5
-----
Process exited after 3.157 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
    {

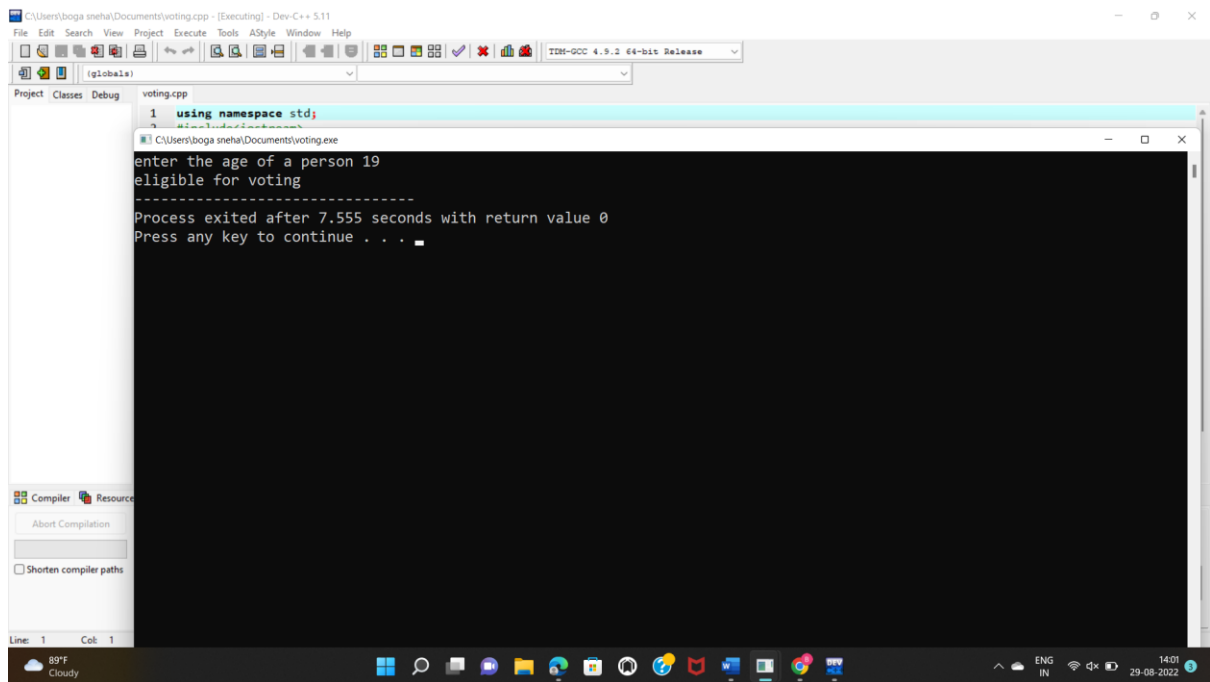
        cout<<"enter a valid age for voting";

    }

    return 0;
}

```

OUTPUT:



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.cpp - [Executing] - Dev-C++ 5.11
C:\Users\boga sneha\Documents\odd or even.exe
enter a number 3
odd number
-----
Process exited after 2.571 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;

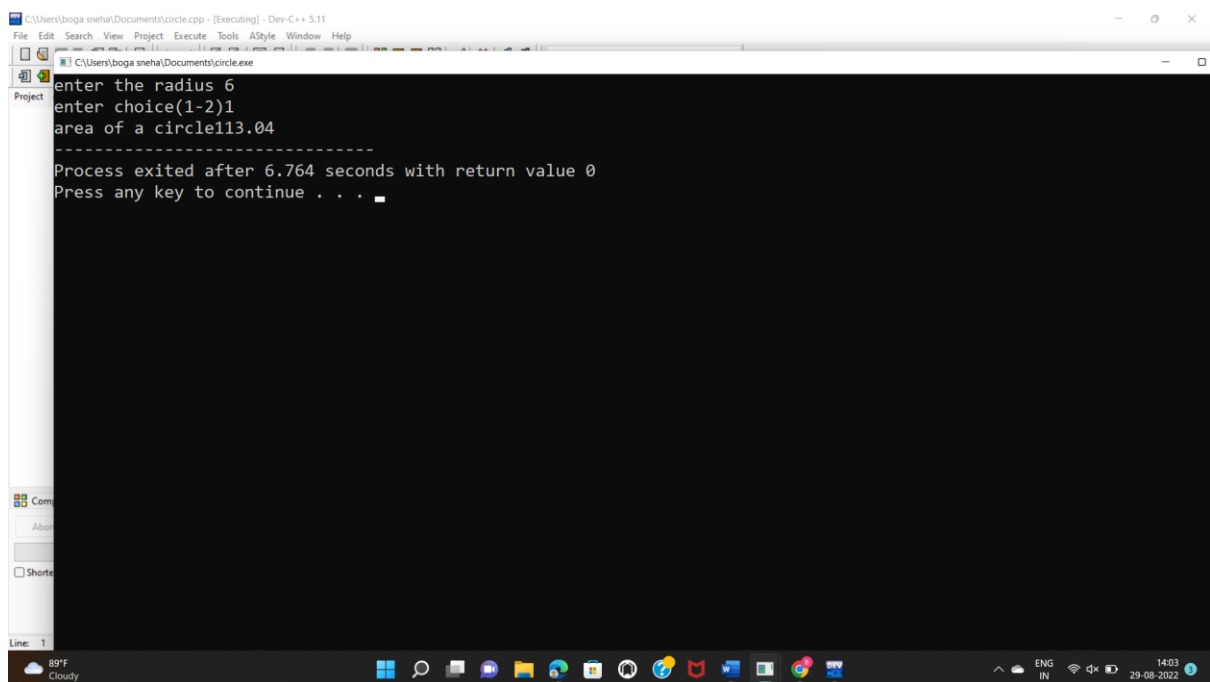
    default:
        cout<<"enter correct radius value";
        break;

}

return 0;
}

```

OUTPUT:



```

C:\Users\boga sneha\Documents\circle.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
C:\Users\boga sneha\Documents\circle.exe
Project
enter the radius 6
enter choice(1-2)1
area of a circle113.04
-----
Process exited after 6.764 seconds with return value 0
Press any key to continue . . .

```