```cpp
#include<iostream>
using namespace std;
int main(){
    int i,j,rows;
    cout<<"enter rows";
    cin>>rows;
    for (i=1;i<=rows;i++)
    {
        for(j=1;j<i;j++)
        {
            cout<< i*i;
        }
        cout<<"\t\n";
    }
    return 0;
}
```

Compile Log   Debug   Find Results   Close

C:\Users\Nithish kumar\Documents\pattern.exe

```
enter rows5

4
99
161616
25252525

----------------------------------
Process exited after 5.595 seconds with return value 0
Press any key to continue . . .
```

```cpp
#include<iostream>
using namespace std;
class strings{
public:
    void output(string a,string b)
    {
        a="apple";
        b="orange";
        if(a==b)
        {
            cout<<"equal";
        }
        else
        {
            cout<<"not equal";
        }
    }
};
int main()
```

```
C:\Users\Nithish kumar\Documents\xx.exe

both are not equal
-----------------------------------
Process exited after 0.2129 seconds with return value 0
Press any key to continue . . .
```

```cpp
#include<iostream>
#include<cmath>
using namespace std;
class triangle{
    private:

};
int main()
{

    int a, b, c,s,  area=0;
    cout<<"enter the values";
    cin>>a>>b>>c;
    int areat=0.5*a*b;
    int areac=3.14*c*c;
    int arear=a*b;
    cout<<areat<<"\n"<<areac<<"\n"<<a
    return 0;
}
```

```
 ■  C:\Users\Nithish kumar\Documents\1.area of triangle.exe

enter the values3
2
1
3
3
6

-----------------------------------
Process exited after 7.48 seconds with return value 0
Press any key to continue . . . ■
```

```cpp
#include <iostream>
using namespace std;
void AddEnd4(int A[][4], int R, int C) {
    int sum = 0;
    for (int i = 0; i < R; ++i) {
        for (int j = 0; j < C; ++j) {
            if (A[i][j] % 10 == 4) {
                sum += A[i][j];
            }
        }
    }
    cout << "The sum of all values ending with 4 is: " << sum << end
}

int main() {
    int Arr1[2][4] = {{24, 16, 14, 0}, {19, 5, 46, 0}};
    int rows1 = 2;
    int cols1 = 4;
    AddEnd4(Arr1, rows1, cols1);
```

Compile Log   ✓ Debug   🔍 Find Results   ✖ Close

C:\Users\Nithish kumar\Documents\array rows.exe

The sum of all values ending with 4 is: 38

Process exited after 0.1751 seconds with return value 0
Press any key to continue . . .

```cpp
#include<iostream>
using namespace std;
int main()
{
    int x=10;
    int y=15;
    cout<<x<<y<<"\n";
    int t=x;
    int r=y;
    cout<<"copied:"<<t;
    cout<<r;
}
```

C:\Users\Nithish kumar\Documents\new.exe

```
1015
copied:1015
--------------------------------
Process exited after 0.1672 seconds with return value 0
Press any key to continue . . .
```

```cpp
    float salary;
ublic:
    Employee(int id, const char* empNa
        empid = id;
        strcpy(name, empName);
        salary = sal;
    }

    void display() const {
        cout << "Employee ID: " << thi
        cout << "Employee Name: " << t
        cout << "Employee Salary: " <<
    }

t main() {
    Employee emp(1, "John Doe", 75000.
    emp.display();

    return 0;
```

C:\Users\Nithish kumar\Documents\employee.exe

```
Employee ID: 1
Employee Name: John Doe
Employee Salary: 75000

--------------------------------
Process exited after 0.1812 seconds with return value 0
Press any key to continue . . .
```

```cpp
#include <iostream>
using namespace std;
#include <algorithm>
int main() {
    int Arr[] = {-45, 78, 23, 89, -90};
    int n = sizeof(Arr) / sizeof(Arr[0]);
    sort(Arr, Arr+n);
    ▲ 2/ 4▼ void sort (_RandomAccessIterator  first,  RandomAccessIterator   last)
        cout << Arr[i];
        if (i < n - 1) {
            std::cout << ", ";
        }
    }
    return 0;
}
```

C:\Users\Nithish kumar\Documents\35.reverse an array.exe

```
Reversed Array: 50 40 30 20 10
-----------------------------------
Process exited after 0.1981 seconds with return value 0
Press any key to continue . . .
```

```cpp
using namespace std;
class Area
{
public:
    void output(int l,int b)
    {
        cout<<"Area of rectangle is = "
    }
    void output(int a)
    {
        cout<<"Area of Square is = "<<a
    }
};
int main()
{
    Area obj;
    obj.output(5,5);
    obj.output(5);
}
```

```
Area of rectangle is = 25
Area of Square is = 25

----------------------------------
Process exited after 0.1941 seconds with return value 0
Press any key to continue . . .
```