```
#include <iostream>
using namespace std;
int main(){
   int n, sum=0, i=0;

   cout<<"Insert a number: ";
   cin>>n;

   for(i=1; i<=n; i++){
       sum=sum+i;
   }

   cout<<"Sum of the first "<<n<<" numbers: "<<sum;
   return 0;
}

In C:\Users\bit005.STUDENT\Desktop\Practical4\Q1.exe
Insert a number: 4
Sum of the first 4 numbers: 10</pre>
```

Process exited after 2.109 seconds with return value 0

Press any key to continue . . .

```
#include <iostream>
using namespace std;
int main(){
    int i, j;
    cout<<"\t";
    for(j=1; j<=10; j++){
    cout<< j << "\t";
    cout<<endl;
    for(i=1; i<=10; i++){
         cout<< i << "\t";
         for(j=1; j<=10; j++){
    cout<< i*j <<"\t";</pre>
         cout<<endl;
    return 0;
■ Select C:\Users\bit005.STUDENT\Desktop\Practical4\Q2.exe
                                                                               8
                                                                                         9
                                                                                                   10
                                                           6
                                                                              8
                                                                                                   10
                                                 10
                                                                     14
                                                                                         18
                                                                               16
                                                                                                   20
                   6
                             9
                                                 15
                                       12
                                                           18
                                                                               24
                                                                                                  30
                   8
                             12
                                       16
                                                 20
                                                           24
                                                                     28
                                                                              32
                                                                                         36
                                                                                                  40
                   10
                                       20
                                                           30
                                                                              40
                                                                                                  50
                                                 30
                             18
                                       24
                                                                     42
                                                                              48
                   12
                                                           36
                                                                                                  60
                   14
                                       28
                                                           42
                                                                     49
                                                                              56
                                                                                        63
                                                                                                   70
                             24
                                                 40
                                                                               64
                                                                                                  80
         9
                                                 45
                   18
                                       36
                                                           54
                                                                     63
                                                                                        81
                                                                                                  90
10
         10
                   20
                             30
                                       40
                                                 50
                                                           60
                                                                     70
                                                                              80
                                                                                        90
                                                                                                  100
Process exited after 0.08634 seconds with return value 0
Press any key to continue . . .
```

```
#include <iostream>
using namespace std;

int main(){
    int i, j;

    for(i=1; i<=5; i++){
        for(j=1; j<=i; j++){
            cout<< "*";
        }
        cout<<endl;
    }
    return 0;
}</pre>
```

■ C:\Users\bit005.STUDENT\Desktop\Practical4\Q3.exe

```
*

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Process exited after 0.04397 seconds with return value 0

Press any key to continue . . .
```

```
4.
```

```
#include <iostream>
using namespace std;
int main(){
    int i, j;
    for(i=1; i<=5; i++){
        for(j=1; j<=i; j++){
           cout<< j;
        cout<<endl;
    return 0;
 Select C:\Users\bit005.STUDENT\Desktop\Practical4\Q4.exe
12
123
1234
12345
Process exited after 0.09385 seconds with return value 0
Press any key to continue . . .
```

1.

```
#include <iostream>
using namespace std;
class car{
    public:
        string brand;
        string model;
        int year;
};
int main(){
    car car1;
    car1.brand = "Land Rover";
car1.model = "MSPR";
    car1.year = 2019;
    cout<<"Brand of the car1: "<< car1.brand << endl;</pre>
    cout<<"Model of the car1: "<< car1.model << endl;</pre>
    cout<<"Year of the car1: "<< car1.year << endl;</pre>
    return 0;
}
 Select C:\Users\bit005.STUDENT\Desktop\Practical4\C++ Class & Objects\Q1.exe
Brand of the car1: Land Rover
Model of the car1: MSPR
Year of the car1: 2019
Process exited after 0.04349 seconds with return value 0
Press any key to continue . . .
```

```
#include <iostream>
using namespace std;
class room{
    public:
        int length;
        int width;
        int height;
};
int main(){
    room room1;
    room1.length = 13;
    room1.width = 12;
    room1.height = 9;
    int area = room1.length * room1.width;
    int vol = room1.length * room1.width * room1.height;
    cout<<"Area of the room (In square feet): "<< area << endl;</pre>
    cout<<"Volume of the room (In cubic feet): "<< vol << endl;
    return 0;
 Select C:\Users\bit005.STUDENT\Desktop\Practical4\C++ Class & Objects\Q2.exe
Area of the room (In square feet): 156
Volume of the room (In cubic feet): 1404
Process exited after 0.09874 seconds with return value 0
Press any key to continue . . .
```