



## Times Tables

Create a C++ program that will create a Times Tables chart similar to the one below.

Your program should use nested loops.

```
C:\Users\philg\Desktop\Times Tables\Times Tables.exe
 1  2  3  4  5  6  7  8  9 10
1  1  2  3  4  5  6  7  8  9 10
2  2  4  6  8 10 12 14 16 18 20
3  3  6  9 12 15 18 21 24 27 30
4  4  8 12 16 20 24 28 32 36 40
5  5 10 15 20 25 30 35 40 45 50
6  6 12 18 24 30 36 42 48 54 60
7  7 14 21 28 35 42 49 56 63 70
8  8 16 24 32 40 48 56 64 72 80
9  9 18 27 36 45 54 63 72 81 90
10 10 20 30 40 50 60 70 80 90 100

-----
Process exited after 0.04958 seconds with return value 0
Press any key to continue . . .
```

# Solution

```
#include <iostream>
using namespace std;
int main()
{
    // print top row
    for(int i = 1; i <= 10; i++)
    {
        cout << "\t" << i;
    }

    cout << "\n";

    // print all other rows
    for(int i = 1; i <= 10; i++)
    {
        cout << i << "\t";
        for(int j = 1; j <= 10; j++)
        {
            cout << i*j << "\t";
        }
        cout << "\n";
    }
    return 0;
}
```