

Write a c++ program to:

1. Create an 10x10 array of integers.
2. Fill it in with the values below (the times tables). A function should be added to do this.
3. Display the values from the array in the following format. A function should be added to do this.

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

Note: You should use nested for or while loops to do this.

Submit your timesTable.cpp program on easel.

Note: Set the column width to 4 for the output of each number.

```
#include<iomanip>
cout<< setw(4) << i * j;
```

Rubric:

30% Initialized 2D array correctly.

30% Displayed 2D array correctly.

30% Used functions as instructed.

10% Format out output is as instructed.