

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF MECHANICAL AND MANUFACTURING ENGINEERING

CS-114 - Fundamental of Programing

LAB MANUAL # 6 (Home Task)

ME -15 (C)

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1. Write a program using break or continue statement that only adds prime numbers from 1 to 50 and display the sum on screen.

Code:

```
#include<iostream>
using namespace std;
int main(){
   continue;}
                       //when i will be fully divided by j then b will be increased by 1
                       //b will only be zero when there would be prime number because we have removed 1 and the number itself in previous loop //for output because after 45 only 47 comes so it will comes out with equal
      if(b==0){
         if(i>45)
         cout<<i<" = ";
         cout<<i<<" + "; //for all others less than 45 will be printed with +
     b=0;
                       //reassign 0 to b for next itteration
                       //sum output
cout<<r;
   return 0;
```

Result:

2. Write a program in C++ to create the following pattern.

Code:

Result:

3. Write a C++ program to print:

Code:

Result:

```
1
2 2
4 4 4 4
6 6 6 6 6
------
Process exited after 0.2952 seconds with return value 0
Press any key to continue . . .
```