

## **Programming lab Home Task**

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<u>Section</u> C

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C++ program using a
break statement to
add prime numbers
from 1 to 50 and
display the sum:
#include <iostream>
using namespace std;
bool isPrime(int num) {
     if (num < 2) {
          return false;
     for (int i = 2; i \le 2
num / 2; ++i) {
          if (num % i ==
0) {
               return
false;
          }
     return true;
}
int main() {
     int sumPrimes = 0;
     for (int number = 1;
number <= 50;
++number) {
          if
(isPrime(number)) {
```

```
sumPrimes += number;
     cout << "Sum of
prime numbers from 1 to
50: " << sumPrimes <<
endl;
     return 0;
}
C++ program
create the specified
pattern:
#include <iostream>
using namespace std;
int main() {
     for (int i = 1; i <= 5;
++i) {
         for (int j = 1; j
<= i; ++j) {
              cout << j;
          cout << endl;
     return 0;
C++ program to print
the specified pattern:
#include <iostream>
```