

## Home Task #6

**Abdul Moiz** 

CMS: 474550

**ME-15B** 

## TASK 1

```
#include<iostream>
using namespace std;
int main() {
  int sum = 0;
  for (int i=1;i <= 50; ++i) {
    bool flag = true;
    if (i < 2) {
       flag = false;
    }
    else {
       for (int j = 2; j \le i / 2; ++j) {
          if (i \% j == 0) {
            flag = false;
            break;
       }
    }
    if (flag != true) {
       continue; // Skip non-prime numbers
    sum = sum + i;
  }
  cout << "Sum: " << sum << endl;
  return 0;
}
```

```
main.cpp
  2 using namespace std;
  3 int main() {
          int sum = 0;
          for (int i=1;i <= 50; ++i) {
              bool flag = true;
              if (i < 2) {
                 flag = false;
              else {
                  for (int j = 2; j \le i / 2; ++j) {
 11 -
 12 -
                      if (i % j == 0) {
                          flag = false;
 13
                          break;
 15
                          }
 17
              if (flag != true) {
                  continue; // Skip non-prime numbers
 19
 21
              sum = sum + i;
 22
          cout << "Sum: " << sum << endl;</pre>
 23
          return 0;
```

```
Sum: 328

...Program finished with exit code 0

Press ENTER to exit console.
```

## TASK 2

```
#include<iostream>
using namespace std;
int main() {
   int num;
   cout << "Enter no of lines to be printed: ";
   cin >> num;
   for (int i = 1; i<=num;i++){
      for (int j = 1; j <= i; j++){
        cout << j << "\t";
      }
      cout << endl;
   }
   return 0;
}</pre>
```

## TASK 3

```
#include<iostream>
using namespace std;
int main() {
  cout << 1 << endl;
  for (int i = 2; i <= 6; i += 2){
     for (int j = 1; j \le i; j++){
       cout << i << "\t";
     }
     cout << endl;
  return 0;
}
                6
                        6
                                6
...Program finished with exit code 0
Press ENTER to exit console.
```