

HOME TASKS

TASK 02:

```
#include <iostream>

using namespace std;

int main() {

    int n;

    cout << "Enter the number of rows: ";

    cin >> n;

    for (int i = 1; i <= n; ++i) {

        for (int j = 1; j <= i; ++j) {

            cout << j << " ";

        }

        cout << endl;

    }

    return 0;

}
```

Output

```
/tmp/M0tE9T6QG7.o
Enter the number of rows: 5
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
|
```

TASK 03:

```
#include <iostream>

using namespace std;

int main() {

    int rows = 4;

    int num = 1;

    for (int i = 1; i <= rows; i++) {

        for (int j = 1; j <= i; j++) {

            cout << num << " ";

        }

        num += 2;

        cout << endl;

    }

    return 0;

}
```

Output

```
/tmp/M0tE9T6QG7.o
1
3 3
5 5 5
7 7 7 7
```

TASK 01:

```
#include <iostream>

using namespace std;

int main() {

    int sum = 0;

    for (int num = 2; num <= 50; ++num) {

        int divisor;

        for (divisor = 2; divisor <= num / 2; ++divisor) {

            if (num % divisor == 0) {

                break;

            }

        }

        if (divisor > num / 2) {

            sum += num;

        }

    }

    cout << "Sum of prime numbers from 1 to 50: " << sum << endl;

    return 0;

}
```

Output

```
/tmp/M0tE9T6QG7.o
Sum of prime numbers from 1 to 50: 328
```