

```
#include<iostream>
using namespace std;
```

```
int main() {
    int n;
    cin>>n;
    for (int i = 0; i < n; ++i) {
        for (int j = 0; j < n; ++j) {
            if(i == j || n-i-1 == j)
                cout<<"*";
            else
                cout<<" ";
        }
        cout<<"\n";
    }
    return 0;
}
```

```
#include<iostream>
using namespace std;

int main() {
    int count = 0;

    for (int x = 50; x <= 300; ++x) {
        for (int y = 70; y <= 400; ++y) {
            if (x < y && ((x + y) % 7 == 0)) {
                ++count;
            }
        }
    }
    cout<<count<<"\n";

    return 0;
}
```

```
#include<iostream>
using namespace std;
```

```
int main() {
    int count = 0;

    for (int a = 1; a <= 200; ++a) {
        for (int b = 1; b <= 200; ++b) {
            for (int c = 1; c <= 200; ++c) {
                for (int d = 1; d <= 200; ++d) {
                    count += (a + b == c + d);
                }
            }
        }
    }

    cout << count << "\n";

    return 0;
}
```

```
#include<iostream>
using namespace std;

int main() {
    int number;

    cin >> number;

    if (number == 1)
        cout << "NO\n";
    else {
        bool is_ok = true;

        for (int i = 2; i < number; ++i) {
            if (number % i == 0) {
                is_ok = false;
                break;
            }
        }

        if (is_ok)
            cout << "YES";
        else
            cout << "NO";
    }
    return 0;
}
```

```
int main() {  
    int target;  
    bool first_print = true;  
  
    cin >> target;  
  
    for (int number = 2; number <= target; ++number) {  
        bool is_ok = true;  
  
        for (int i = 2; i < number; ++i) {  
            if (number % i == 0) {  
                is_ok = false;  
                break;  
            }  
        }  
  
        if (is_ok)  
        {  
            if(!first_print)  
                cout<<" ";  
  
            cout << number;  
  
            first_print = false;  
        }  
    }  
}
```

```
2  #include<iostream>
3  using namespace std;
4
5  int main() {
6      int n, a, b, total = 0;
7
8      cin >> n >> a >> b;
9
10     for (int i = 1; i <= n; ++i) {
11         int tmp = i;
12         int digits_sum = 0;
13
14         while (tmp) {
15             digits_sum += tmp % 10;
16             tmp /= 10;
17         }
18
19         if (a <= digits_sum && digits_sum <= b)
20             total += i;
21     }
22     cout << total << "\n";
23
24     return 0;
25 }
```