Day 8/180: Pattern Printing

First Pattern:

```
4 4 4 4 4 4
4 4 4 4 4 4
4 4 4 4 4 4
4 4 4 4 4 4
4 4 4 4 4 4
```

Solution:

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

int main() {
    int rows = 6;
    int columns = 6;

    for (int i = 0; i < rows; i++) {
        for (int j = 0; j < columns; j++) {
            cout << "4 ";
        }
        cout << endl;
    }

    return 0;
}
```

Second Pattern:

```
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
```

Solution:

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

int main() {
    int rows = 6;
    int columns = 5;

    for (int i = 1; i <= rows; i++) {
        for (int j = 1; j <= columns; j++) {
            int value = j * j; // Calculate the square of the column number
            cout << value << " ";
        }
        cout << endl;
    }

    return 0;
}
```

Third Pattern:

1 8 27 64 125 216
1 8 27 64 125 216
1 8 27 64 125 216
1 8 27 64 125 216
1 8 27 64 125 216

Solution

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

int main() {
    int rows = 6;
    int columns = 6;

    for (int i = 1; i <= rows; i++) {
        for (int j = 1; j <= columns; j++) {
            int value = j * j * j; // Calculate the cube of the column number
            cout << value << " ";
        }
        cout << endl;
    }

    return 0;
}
```

Fourth Pattern:

F G H I J K
F G H I J K
F G H I J K
F G H I J K
F G H I J K

Solution

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

int main() {
    int rows = 5;
    int columns = 6;

    for (int i = 1; i <= rows; i++) {
        for (int j = 1; j <= columns; j++) {
            char value = ('E' + j); // Calculate the cube of the column number
            cout << value << " ";
        }
        cout << endl;
    }

    return 0;
}
```