

Patterns

(Assignment Solutions)

Question 1:

```
//0-1 Triangle Pattern
bool val = true;
int n = 5;
for(int i=0; i<n; i++) {
    for(int j=0; j<=i; j++) {
        cout << val << " ";
        val = !val;
    }
    cout << "\n";
}</pre>
```

Question 2:

Question 3:

```
//Palindromic Pattern with Numbers
int n = 5;
for(int i=1; i<=n; i++) {
    //spaces</pre>
```



```
for(int j=1; j<=n-i; j++) {
      cout << " ";
}

//nums backward
for(int j=i; j>=1; j--) {
      cout << j;
}

//nums forward
for(int j=2; j<=i; j++) {
      cout << j;
}

cout << endl;
}</pre>
```