

2주차

조건문이란?

- 참 / 거짓으로 나뉘질 수 있는 것

If / else

- 예시

```
1  #include <iostream>
2  using namespace::std;
3
4  int main() {
5      ios::sync_with_stdio(false);
6      cin.tie(nullptr);
7
8      bool a = true;
9
10     if (a == true) {
11         cout << "true" << endl;
12     } else {
13         cout << "false" << endl;
14     }
15
16     return 0;
17 }
18
```

If / else

- 층위가 있음

```
1  #include <iostream>
2  using namespace::std;
3
4  int main() {
5      ios::sync_with_stdio(false);
6      cin.tie(nullptr);
7
8      bool a = true;
9      bool b = false;
10
11     if (a == true) {
12         if (b == true) cout << "a is true and b is also true" << '\n';
13         else cout << "a is true and b is false" << '\n';
14     } else {
15         if (b == true) cout << "a is false and b is true" << '\n';
16         else cout << "a is false and b is also false" << '\n';
17     }
18
19     return 0;
20 }
21
```

Switch / case

- 조건식 없음
- 정수 리터럴만 사용
- break; 꼭 써야 함

```
1  #include <iostream>
2  using namespace::std;
3
4  int main() {
5      ios::sync_with_stdio(false);
6      cin.tie(nullptr);
7
8      char ex = 'A';
9
10     switch (ex++) {
11         case 'A':
12             cout << "ex is A" << '\n';
13             break;
14         case 'B':
15             cout << "ex is B" << '\n';
16             break;
17         default:
18             cout << "ex is neither A nor B" << '\n';
19             break;
20     }
21
22     return 0;
23 }
24
```