

프로그래밍 언어 (2)

실습

3주차

if문 예제

- 예제1)

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

int main()
{
    int a, b;
    int c = 0;

    cout<<"정수 두 개 입력 : ";
    cin>>a>>b;

    if(a>b)
        cout<<a<<endl;
    else
        cout<<b<<endl;

    return 0;
}
```

for문 예제

- 예제2)

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

void multiplication(int a, int b) {
    if(a>b)
    {
        for(b; b<=a ; b++)
        {
            for(int c=1; c<10 ; c++)
                cout<<b<<"*"<<c<<"="<<b*c<<endl;
        }
    }
    else
    {
        for(a; a<=b ; a++)
        {
            for(int c=1; c<10 ; c++)
                cout<<a<<"*"<<c<<"="<<a*c<<endl;
        }
    }
}

int main()
{
    int a, b;
    cin>>a>>b;
    multiplication(a, b);

    return 0;
}
```

swap 함수 예제(&)

- 예제3)

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

void swap(int &a, int &b) {
    int c = a;
    a = b;
    b = c;
}

int main()
{
    int a = 150;
    int b = 300;

    cout<<"a = "<<a<<endl;
    cout<<"b = "<<b<<endl;

    swap(a, b);
    cout<<"a = "<<a<<endl;
    cout<<"b = "<<b<<endl;

    return 0;
}
```

swap 함수 예제(*)

- 예제4)

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

void swap(int *a, int *b) {
    int c = *a;
    *a = *b;
    *b = c;
}

int main()
{
    int a = 50;
    int b = 30;
    cout<<"a = "<<a<<endl;
    cout<<"b = "<<b<<endl;

    swap(&a, &b);
    cout<<"a = "<<a<<endl;
    cout<<"b = "<<b<<endl;

    return 0;
}
```

디폴트

- 예제5)

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

int function(int a = 0) {
    return a+1;
}

int main()
{
    cout<<function(19)<<endl;
    cout<<function()<<endl;

    return 0;
}
```

Q & A