i ch3.



# Loop Statement

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- **0.** Last class Review
- 1. switch selection
- 2. while loop
- 3. for loop
- **4.** Practice
- **5.** Assignments

#### **O.** Last class Review

**].** switch selection

2. while loop

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for loop

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## #변수

int	정수형 변수	4byte
double	실수형 변수	8byte
char	문자형 변수	1byte

### 변수 선먼 시 가독성, 초기화 생각하기

### # Assignment 1

#### **Content**

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# 지역 변수 vs 전역변수

hole-in-scope???

### # Assignment 3: 설계

#### **Content**

**0.** Last class Review

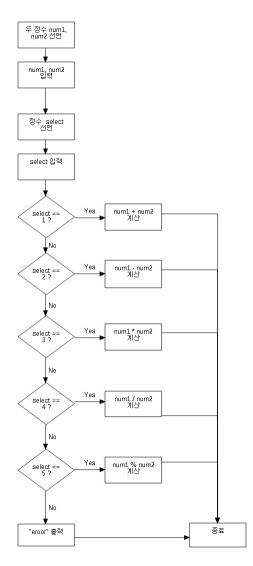
switch selection

2. while loop

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**4.** Practice

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```
O.
Last class Review
```

switch selection

```
2. while loop
```

```
3. for loop
```

**4.** Practice

**5.** Assignments

### # Assignment 2 다시 보기

```
int main() {
 int num1, num2, select;
 cout << "두 정수를 입력하시오:" << endl;
 cin >> num1 >> num2;
 cout << "사용할 연산을 고르시오(1: +, 2: -, ...) " << endl;
 cin >> select;
 if(select == 1) {
   cout << num1 <<"+" << num2 << "=" << num1 + num2 << endl:
 else if(select == 2) {
   cout << num1 << "-" << num1 - num2 << endl;
 return 0;
```

**0.** Last class Review

switch selection

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# 조건문(Selection statement)?

### 특정조건을 만족할 때, 해당 문장을 수행

- if-else 문
- switch 문

```
O.
Last class Review

1.
switch selection
```

```
2. while loop
```

```
3. for loop
```

```
4. Practice
```

```
5. Assignments
```

## switch

```
switch(점수) {
  case (삼수1):
   실행문;
    break;
  case (삼수2):
   실행문;
   break;
  case (삼수3):
   실행문;
   break;
  default:
   실행문;
    break;
```

```
O.
Last class Review
```

switch selection

2. while loop

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**4.** Practice

**5.** Assignments

#### # Practicce switch

```
int main() {
 int num1, num2, select;
 cout << "두 정수를 입력하시오 : " << endl;
 cin >> num1 >> num2;
 cout << "사용할 연산을 고르시오(1: +, 2: -, ...) " << endl;
 cin >> select:
 switch(select) {
   case 1:
     cout << num1 << "+" << num2 << "=" << num1 + num2 << endl:
     break;
   case 2:
     cout << num1 << "-" << num2 << "= " << num1 - num2 << endl;
     break;
   default:
     cout << "error" << endl;
 return 0;
```

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# 반복문(loop statement)?

# 반복 조건이 성립할 때, 반복 영역을 반복 수행

- while 문
- for 문

```
0.
Last class Review
```

- **].** switch selection
- 2. while loop
- 3. for loop
- **4.**Practice
- **5.** Assignments

```
while
while (반복 조건) {
반복 영역;
```

**}** 

```
O.
Last class Review
```

switch selection

2. while loop

3. for loop

**4.** Practice

**5.** Assignments

### #Practice while

```
int main() {
 int a = 100;
 int count = 0;
 while (a < 119) {
   cout << "반복횟수: " << count << endl;
   cout << a << endl;
   count++;
   a++;
 return 0;
```

```
O.
Last class Review
```

switch selection

2. while loop

3. for loop

**4.** Practice

**5.** Assignments

```
for
for(시작조건; 종결조건; 조건변화식) {
반복 영역;
}
```

```
O.
Last class Review
```

switch selection

2. while loop

3. for loop

**4.** Practice

**5.** Assignments

### #Practice for

```
int main() {
 int a = 100;
 for(int i = 0; i < 19; i++) {
   cout << "반복 횟수:" << i << endl;
   cout << a << endl;
   a++;
 return 0;
```

### #계단 모양 만들기

**O.** Last class Review

**].** switch selection

2. while loop

3. for loop

**4.** Practice

**5.** Assignments

계단 층 입력: 4

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**\*\*** 

**\*\*\*** 

**\*\*\*** 

계단 층 입력: 7

X

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### #계단 모양 만들기 설계

**U.** Last class Review

**].** switch selection

2. while loop

3. for loop

4.
Practice

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Hint !! 반복문 두 번 쓰기

- 반복 1 : 층 결정

- 반복 2 : 한 층씩 \* 출력

#### **O.** Last class Review

- **].** switch selection
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### #계단 모양 만들기 코딩

```
int main() {
 int a = line;
 cin >> line;
 for (int i = 0; i < 조건; i++) {
   for (int j = 0; j < 조건; j++) {
 return 0;
```

- **O.**Last class Review
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### Assignment 1)

역 계단 설계 !!!

```
*****
****
***
```

- **O.** Last class Review
- switch selection
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### Assignment 2)

역 계단 코딩 !!!

\*\*\*\*\* \*\*\*\* \*\*\*

- **O.** Last class Review
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### Assignment 3)

다음 사이트 들어가서 "초등 고학년1"까지 완료하기

http://playentry.org/codingparty/2015#!/

- **O.**Last class Review
- switch selection
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- 3.
  for loop
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- **5.** Assignments

### Assignment 型比型)

다음 모양 설계 &코딩 !!!

# Thank you