



Loops(I)
while

02

Loops(II)

for

03

Arrays

A list of variables





switch-case statement

```
using namespace std;
int main()
   code1...;
    switch (expression)
        case x:
            code2...;
            break;
        case y:
            code3...;
           code4...;
    code5...;
```



while statement

```
#include <iostream>
using namespace std;
int main()
    code1...;
    while (condition)
        code2...;
    code3...;
    return 0;
```

do - while statement

```
#include <iostream>
using namespace std;
int main()
    code1...;
        code2...;
    while(condition);
    code3...;
    return 0;
```

break;

continue;



Infinite Loop

```
#include <iostream>
using namespace std;
int main()
    while (true)
    return 0;
```



for statement

```
#include <iostream>
using namespace std;
int main()
{
    for (one_time_statement; condition; every_time_statement)
     {
        return 0;
}
```



Arrays in C++

```
#include <iostream>
using namespace std;
int main()
{
    //Definition
    data_type array_name[array_size] = {value_0, value_1, ..., value_size-1};
    data_type array_name[array_size];
    //Assignment
    array_name[index] = value;
    return 0;
}
```

Multi-Dimensional Arrays

```
#include <iostream>
using namespace std;
int main()
{
    //Definition
    data_type array_name[dimension_1_size][dimension_2_size] = {{, , }, {, , }, ..., {, , }};
    data_type array_name[dimension_1_size][dimension_2_size];
    //Assignment
    array_name[index_1][index_2] = value;
    return 0;
}
```

