

Day 5

★ Iteration Statements :- (Loops)

1) while

2) for

3) do-while

```
1) while (condition) {
    print something;
    count of condition ++;
}
```

Print no. from 1 to 100

int i = 1;

```
while (i <= 100) {
    cout << i << endl;
```

i++;

}

```
2) do-while
   do {
```

} (condition)

print no. from 1 to 100

do {

cout << i << endl;

i++;

} (i < 100)

2) for loop

```
for ( initialization ; condition ; update ) {  
    body of the loop  
}
```

print no. 1 to 100

```
for ( int i = 1 ; i <= 100 ; i++ ) {  
    cout << i << endl;  
}
```

* Break & Continue

1) Break - loop stops when condition meets/terminate

```
for ( int i = 1 ; i <= 100 ; i++ ) {  
    if ( i % 2 == 0 )  
        break;  
    cout << i << endl;  
}
```

2) Continue - Skip one iteration

```
for ( int i = 1 ; i <= 100 ; i++ ) {  
    if ( i % 2 == 0 )  
        continue;  
    cout << i << endl;  
}
```