

Day-4

For/while loops

19/feb/2023

for each:

```
for (data-type variable : array-name) {  
    statement  
}
```

example:-

```
int arr[] = {1, 2, 3, 4, 5, 6};  
iterating the array by using for each loop
```

```
for (int arr1 : arr) {  
    print(arr1);  
}
```

Labeled For loop:-

Syntax

label name:

```
for (int i=0; i<5; i++) { }
```

pattern:

```
for (int i=0; i<4; i++) {  
    print("#");  
}
```

Simple for loop:-

Simple for loop

```
for (int i=0; i<10; i++) {  
    print(i);  
}
```

Infinite loop:-

No Break/
No conditions

```
for ( ; ; ) {  
    statement -  
}
```

while loop:-

```
while (condition) {  
    ==  
}
```

Boolean

example:-

```
int i=1;  
while (i<10) {  
    print(i);  
}
```

it will print 1 to 10 list of numbers,
understand the basic algo.

Do while:-

```
do {  
    ==  
} while (condition);
```

```
do {  
    print(i);  
    i++;  
} while (i<=10)
```

here also we are printing 1 to 10 list of numbers Right,