**Learn Dart with Waqar**

**Loops in Dart**

Loop statements are used to execute the block of code repeatedly for a specified number of times or until it meets a specified condition. Loop statement are very useful to iterate over collection/list of items or to perform a task for multiple times. In Dart, we have following loop statements available:

* Dart for loop
* Dart for..in loop
* Dart while loop
* Dart do while loop

**Dart for Loop**

The **for** loop is used when we want to execute block of code known times. The **for** loop takes a variable as iterator and assign it with an initial value, and iterate through the loop body as long as the test condition is true.

**Syntax:**

for(Initialization; Condition; incr/decr){

// loop body

}

**Dart for..in Loop**

The **for in** loop takes an expression or object as iterator, and iterate through the elements one at a time in sequence. The value of the element is bound to var, which is valid and available for the loop body. Once the loop statements are executed current iteration, the next element is fetched from the iterator, and we loop another time. When there is no more elements in iterator, the for loop is ended.

**Syntax:**

for (var in expression) {

// Statement(s)

}

**Dart while Loop**

The **while** loop will execute a block of statement as long as the test condition is true.

**Syntax:**

while(condition)

{

// loop body

}

**Dart do while Loop**

The **do while** loop first executes the loop statements and then test the condition for next iteration and executes next only if condition is true.

**Syntax:**

do{

// loop body

} while(condition);