

DO WHILE LOOP IN DART

Do While Loop

Do while loop is used to run a block of code multiple times. The loop's body will be executed first, and then the condition is tested. The syntax of do while loop is:

```
do{  
    statement1;  
    statement2;  
    .  
    .  
    .  
    statementN;  
}while(condition);
```



- First, it runs statements, and finally, the condition is checked.
- If the condition is true, the code inside {} is executed.
- The condition is re-checked until the condition is false.
- When the condition is false, the loop stops.

Info

Note: In a do-while loop, the statements will be executed at least once time, even if the condition is false. It is because the statement is executed before checking the condition.

Example 1: To Print 1 To 10 Using Do While Loop

```
void main() {  
    int i = 1;  
    do {  
        print(i);  
        i++;  
    } while (i <= 10);  
}
```



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Example 2: To Print 10 To 1 Using Do While Loop

```
void main() {  
    int i = 10;  
    do {  
        print(i);  
        i--;  
    } while (i >= 1);  
}
```



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Example 3: Display Sum of n Natural Numbers Using Do While Loop

Here, the value of the **total** is 0 initially. Then, the do-while loop is iterated from **i = 1 to 100**. In each iteration, **i** is added to the total, and the value of **i** is increased by 1. Result is **1+2+3+....+99+100**.

```
void main(){  
  
    int total = 0;  
    int n = 100; // change as per required  
    int i =1;  
  
    do{  
        total = total + i;  
        i++;  
    }while(i<=n);  
  
    print("Total is $total");  
}
```



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When The Condition Is False

Let's make one condition false and see the demo below. **Hello** got printed if the condition is false.

```
void main(){
    int number = 0;
    do{
        print("Hello");
        number--;
    }while(number >1);
}
```

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Video

Watch our video on while loop in Dart.