

While Loop in Java

SIMPLE REPEATING WITH CONDITIONS

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What is a While Loop

1. A while loop repeats code **while a condition is true**
2. It checks the condition **before** running the loop.

Syntax :

```
while (condition) {  
    // code to run  
}  
.
```

How It Works

- ☐ *Check the condition.*
- ☐ *If true, run the code inside.*
- ☐ *Go back to step 1.*
- ☐ *If false, stop the loop.*

Uses of While Loop

❖ When you **don't know** how many times to repeat

- ✓ Taking user input
- ✓ Running until a condition changes
- ✓ Making menus in apps



Thanksssss