

# Iterative Control instruction



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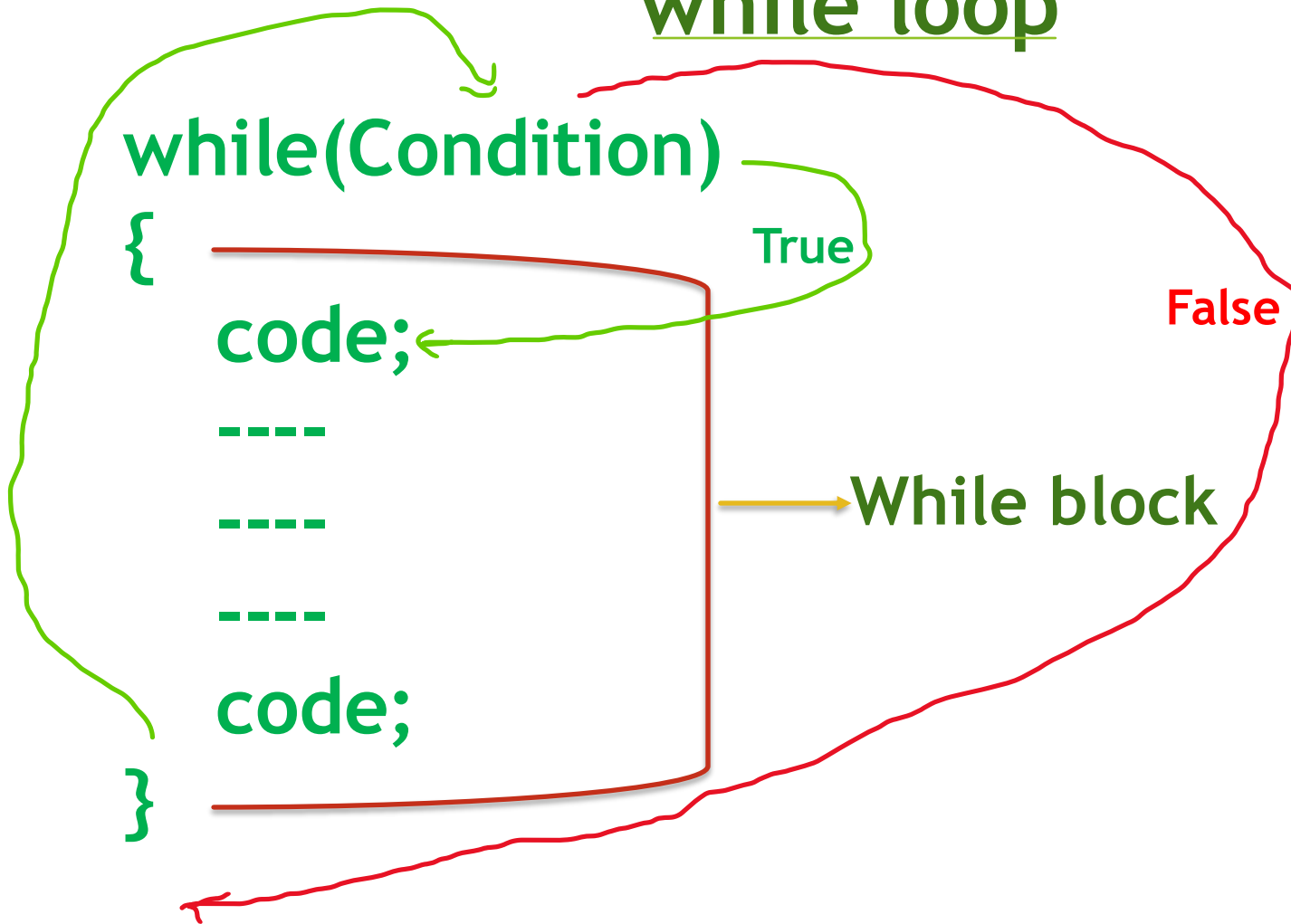
# Agenda

- **Iterative Control instruction**
- **while loop**
- **Practice problem**
- **do while loop**
- **for loop**
- **break**
- **continue**

# Iterative Control instruction (loop)

- ❖ **while loop**
- ❖ **do while loop**
- ❖ **for loop**

# while loop



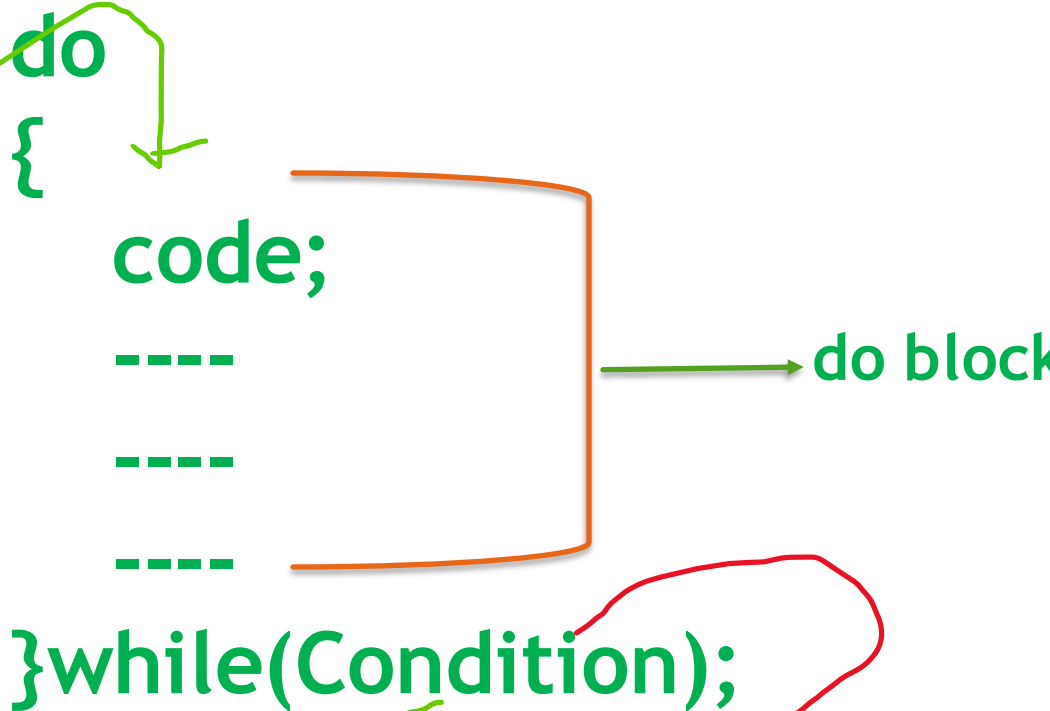
- while is a keyword
- इसको Entry control loop बोलते हैं



# Practice problem

- Write a c program to print first 10 nature numbers
- Write a C program to print the first 10 even natural numbers

# do while loop

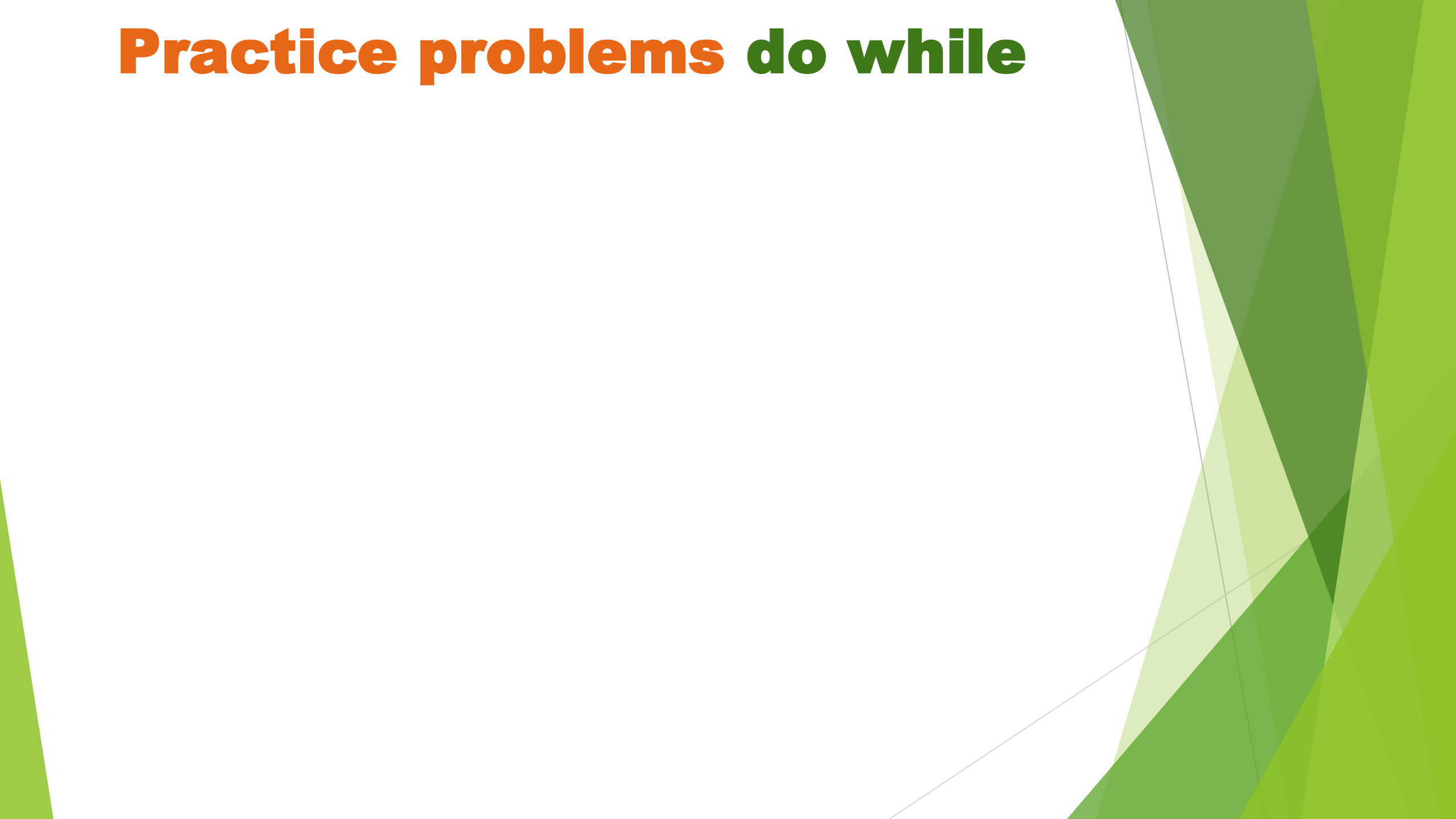


```
do
{
    code;
    ----
    ----
    ----
}while(Condition);
```

The diagram illustrates the syntax of a do-while loop. A green line outlines the entire loop structure. A green arrow points from the 'do' keyword to the opening curly brace. An orange box encloses the code block between the braces, with a green arrow pointing to it from the text 'do block'. A red line circles the 'while(Condition);' part of the loop.

- do is a keyword
- while is a keyword
- इसको Exit control loop बोलते हैं

# Practice problems do while



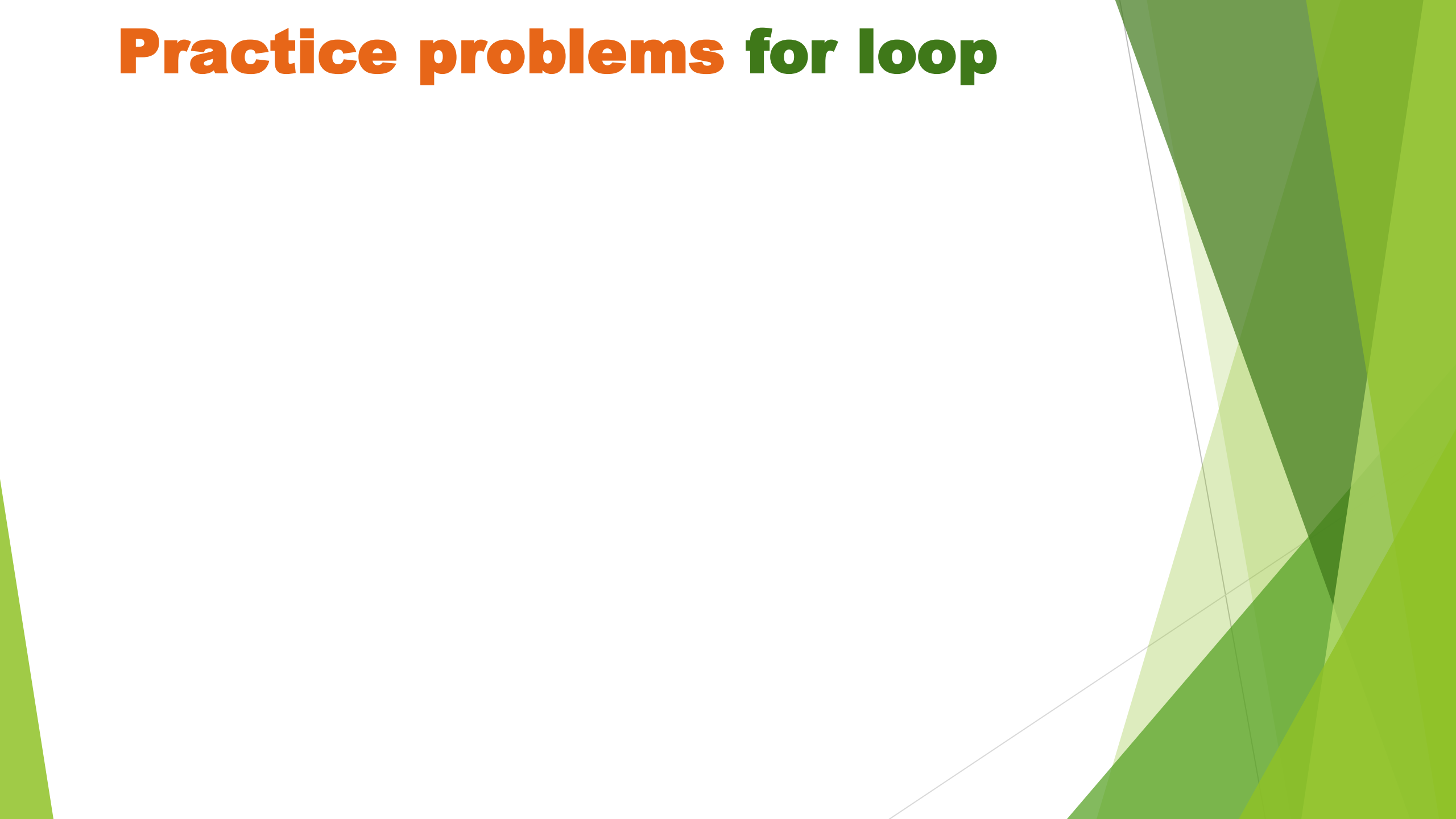


# for loop

```
for(initialization ; Condition ; flow) // for(;;)
{
    code;
    ----
    ----
    ----
    code;
}
```

- for is a keyword
- initialization एक बार चलता हैं
- Condition बार बार चलता हैं True होने पे
- Flow बार बार चलता हैं True होने पे
- इसको entry control loop बोलते हैं

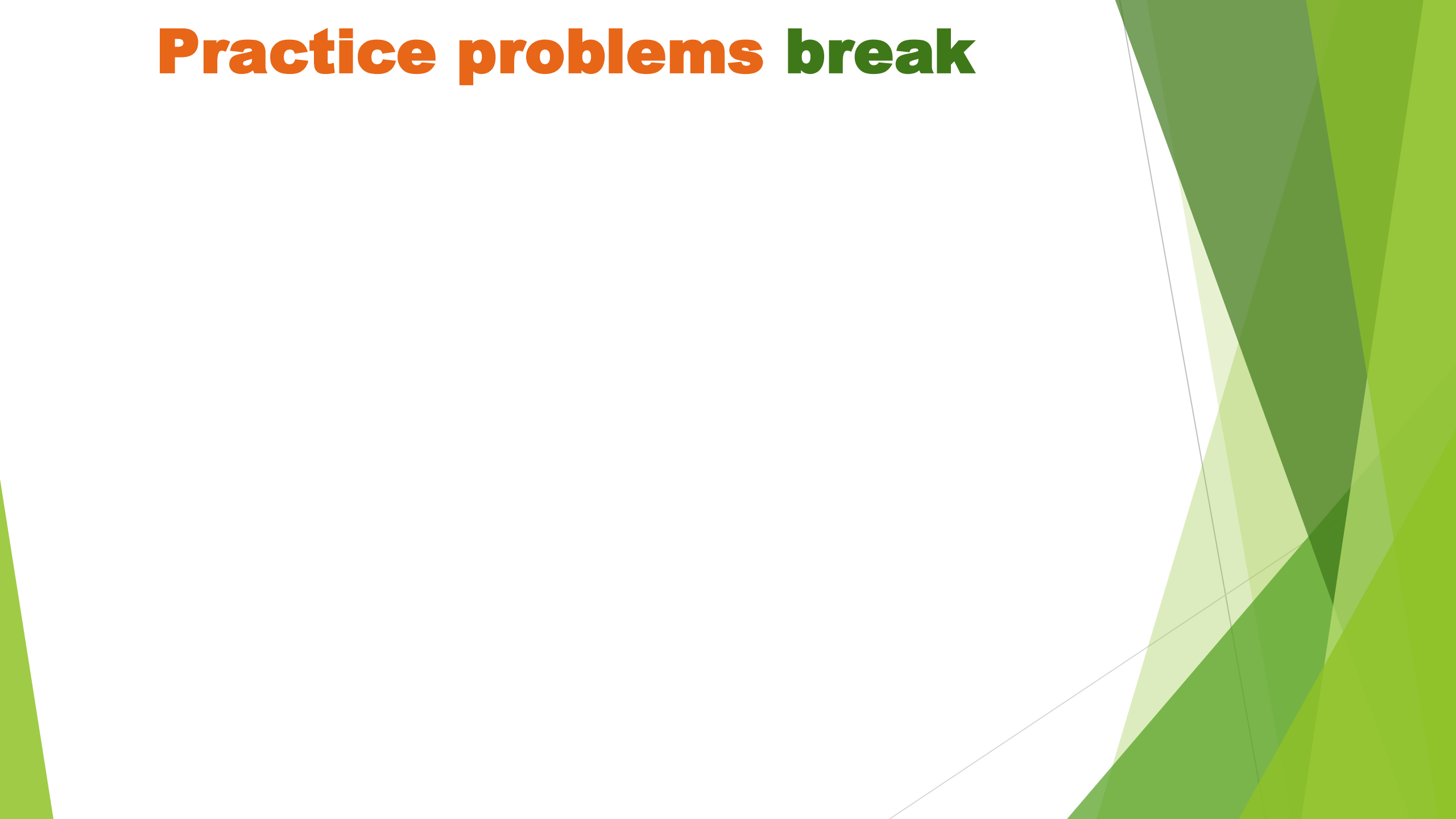
# Practice problems for loop



# break

- break is a keyword
- Break को दो जगह पर use कर सकते हैं
  1. Loop
  2. Switch
- It can be used in the body of loop or in the body of switch
- when break encounters loop terminates and control move out of the loop body

# Practice problems break



# continue

- continue is a keyword
- continue को एक जगह पर use कर सकते हैं

## 1. Loop

# Practice problems continue

