

R repeat Loop (With Syntax and Example)



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In this article, you will learn to use a repeat Loop in R programming with the help syntax, flowchart and examples.

A repeat loop is used to iterate over a block of code multiple number of times.

There is no condition check in repeat loop to exit the loop.

We must ourselves put a condition explicitly inside the body of the loop and use the break statement to exit the loop. Failing to do so will result into an infinite loop.

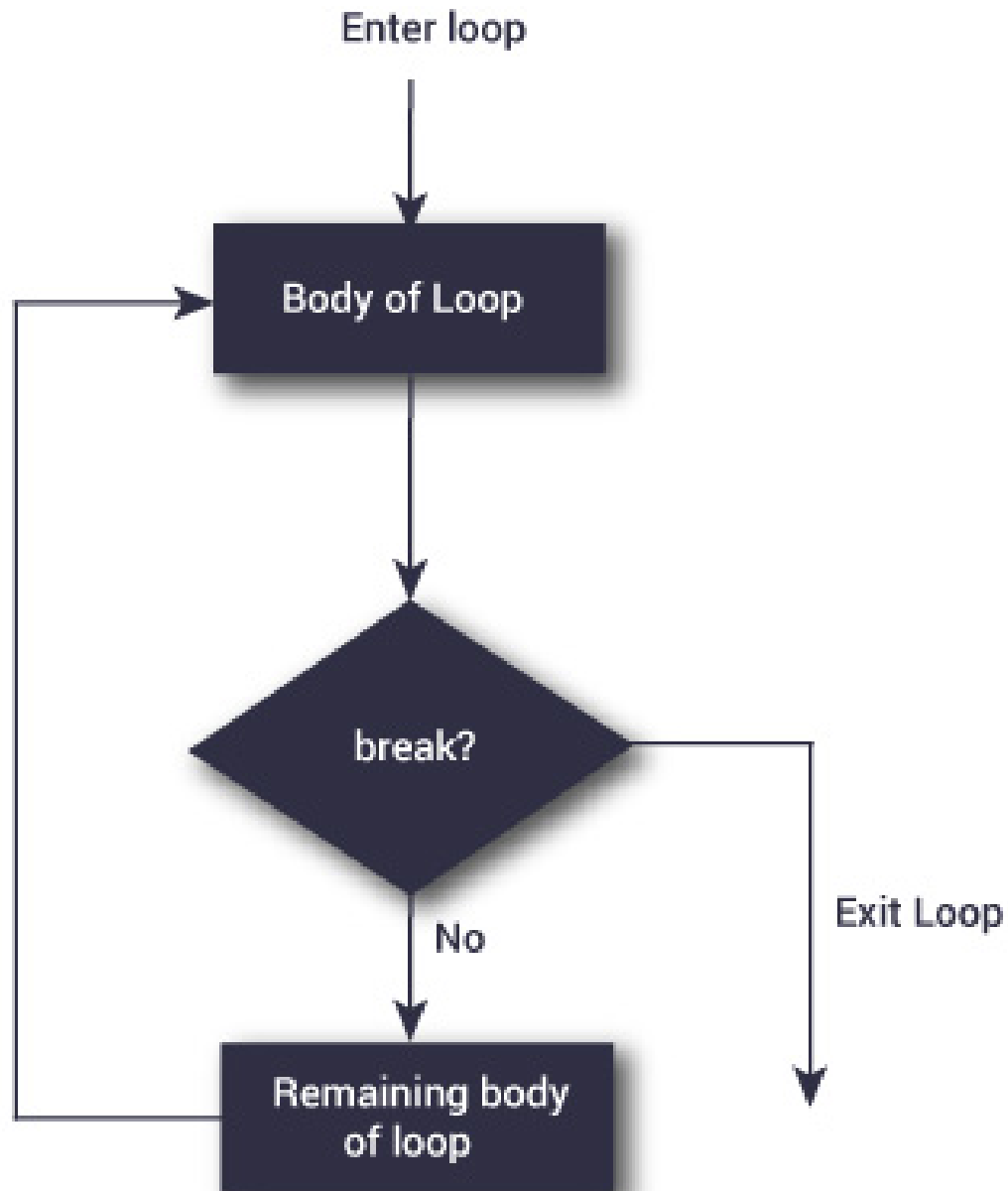
Syntax of repeat loop

```
repeat {  
  statement  
}
```

In the statement block, we must use the `break` statement to exit the loop.

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Flowchart of repeat loop



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Example: repeat loop

```
x <- 1
repeat {
  print(x)
  x = x+1
  if (x == 6){
    break
  }
}
```

Output

```
[1] 1
[1] 2
[1] 3
[1] 4
[1] 5
```

In the above example, we have used a condition to check and exit the loop when x takes the value of 6.

Hence, we see in our output that only values from 1 to 5 get printed.