

R Program to Check if a Number is Positive, Negative or Zero



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In this example, a number entered by the user is checked whether it's a positive number or a negative number or zero.

To understand this example, you should have the knowledge of following R programming topics:

- R if...else Statement
- R Variables and Constants
- R Operators

Example: Check Positive, Negative or Zero

```
# In this program, we input a number check if the number is positive or negative or zero
num = as.double(readline(prompt="Enter a number: "))
if(num > 0) {
  print("Positive number")
} else {
  if(num == 0) {
    print("Zero")
  } else {
    print("Negative number")
  }
}
```

R Program to Check if a Number is Positive, Negative or Zero

Output 1

```
Enter a number: -9.6  
[1] "Negative number"
```

Output 2

```
Enter a number: 2  
[1] "Positive number"
```

A number is positive if it is greater than zero.

We check this in the expression of `if`. If it is `FALSE`, the number will either be zero or negative.

This is also tested in subsequent expression.