

```
x <- 4000 if(x > 400){ print(paste(x,  
"is greater than 10"))  
}
```

Output:

```
[1] "4000 is greater than 10"
```

```
x <- 65  
# Check value is less than or greater than 10  
if(x > 250){ print(paste(x, "is greater than  
250"))  
}else{ print(paste(x, "is less than  
250"))  
}
```

Output:

```
[1] "65 is less than 250"
```

```
x <- 112 if (x > 100) { print("x  
is greater than 100") } else if  
(x == 112) { print("x is equal  
to 112")  
} else {  
  print("x is less than 112")  
}
```

Output:

```
[1] "x is greater than 100"
```

```
for (i in 2:10) {
```

```
}
```

```
  print(i)
```

OutPut:

```
[1] 10
```

```
i <- 3
```

```
while (i <= 6) {
```

```
  print(i)
```

```
  i <- i + 1
```

```
}
```

Output

```
[1] 3
```

```
[1] 4
```

```
[1] 5
```

```
[1] 6
```

```
i <- 1
```

```
repeat {
```

```
  print(i)
```

```
  i <- i + 2
```

```
  if (i > 7)
```

```
{    break
```

```
}
```

```
}
```

Output

```
[1] 1
```

```
[1] 3
[1] 5 [1] 7 for
(i in 5:15) { if
(i == 8) {
break
}
}
print(i)
```

Output

```
[1] 8
```

```
for (i in 4:8) {
if (i == 7) {
next # Skip the iteration where i equals 7
}
print(i)
}
```

Output

```
[1] 4
```

```
[1] 5
```

```
[1] 6
```

```
[1] 8
```

```
sum_numbers <- function(n) {
total <- 0
for (i in 1:n) {
if (i > 2) {
return(total) # Exit the function if i > 2
```

```
}  
  total <- total + i  
}  
return(total)  
}  
print(sum_numbers(10))
```

Output

```
[1] 3
```