```
# R Repeat Loop
x = 1
repeat {
 # starting of repeat statements block
print(x)
 x = x+1
 # ending of repeat statements block
if(x>6){ # breaking condition
break
 }
[1] 1
[1] 2
[1] 3
[1] 4
[1] 5
[1] 6
#-R While loop
x=1
while (x < 6) {
print(x)
 x = x+1
[1] 1
[1] 2
[1] 3
[1] 4
[1] 5
# A for loop
x = c(12, 45, 19, 2)
for(i in x) {
print(i)
[1] 12
 [1] 45
[1] 19
[1] 2
```

```
Break statement inside for loop
x = c(12, 45, 19, 2)
for(i in x) {
 if(i==19){
  break
 print(i)
Output:
[1] 12
[1] 45
Below is an example to count the number of even numbers in a vector.
x < -c(2,4,7,1,18,12,10,25)
count <- 0
for (val in x) {
 if(val \%\% 2 == 0) count = count+1
print(count)
[1] 5
x <- LETTERS[1:4]
for (i in x) {
 print(i)
[1] "A"
[1] "B"
[1] "C"
[1] "D"
# create a simple for-loop that iterates through the four numbers of 0:3
and prints
> for(var in 0:3)
 print(var)
```

```
[1] 0
[1] 1
[1] 2
[1] 3
#Next Statement
x < -c(0:10)
for (i in x) \{
if(i == 5){
next
print(i)
Output:
[1] 0
[1] 1
[1] 2
[1] 3
[1]4
[1] 6
[1] 7
[1] 8
[1] 9
[1] 10
```