

# Week3\_lab

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## Week3 Lab

```
# if-else Statements:
age <- 30
if (age > 18) {
  print("Person is eligible for vote")
} else {
  print("Not eligible for vote!!")
}
```

```
## [1] "Person is eligible for vote"
```

```
# Nested if-else Statements:
x <- 45
y <- 59

if (x > y) {
  print("X IS greater than y")
} else if (x == y) {
  print("x is equal y")
} else {
  print("y greater than x")
}
```

```
## [1] "y greater than x"
```

```
#for Loop:
for (i in 1:9){
  print(i)
  i =i +1
};
```

```
## [1] 1
## [1] 2
## [1] 3
## [1] 4
## [1] 5
## [1] 6
## [1] 7
## [1] 8
## [1] 9
```

```
#4. while Loop:
i <- 1
while (i <= 10) {
  print(i)
  i <- i + 1
}
```

```
## [1] 1
## [1] 2
## [1] 3
## [1] 4
## [1] 5
## [1] 6
## [1] 7
## [1] 8
## [1] 9
## [1] 10
```

```
#5. repeat Loop:
i <- 1
repeat {
  print(i)
  i <- i + 1
  if (i > 5) {
    break
  }
}
```

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