

















```
v1 < -c(1,2,4,5)
v2 <- c('red', 'green')</pre>
v3 < -c(T, F)
v4 <- c('TRUE', 'FALSE')
v5 <- c("a", "b", "c")
#vector function to intialize the vector.
y <- vector("numeric", length = 10)
numbers = c(2, 3, 4, 5)
numbers
print(numbers)
characters = c('a', 'b', 'c', 'd')
characters
print(characters)
#concatinating the above two
mixed vec = c(numbers, characters)
#numbers and characters have coerced
print(mixed vec)
class(mixed vec)
#One dimentional object
num = (1:10)
class(num)
x < -0:6
class(x)
as.numeric(x)
as.character(x)
as.logical(x)
#Factors
x <- factor(c("yes", "yes", "no", "yes", "no"))
Х
table(x)
#ARRAYS AND MATRIX
A = array(1:10)
A1 = array (1:8,c(2,4))
Α1
is.array(A1)
#matrix
m \leftarrow matrix(nrow = 2, ncol = 3)
attributes (m)
#Data Frames
emp.data <- data.frame(emp id = c(1:5), emp name = c("A", "B", "C", "D", "E"),
                        salary = c(123, 234, 345, 456, 567),
                        start date =
as.Date(c("1/1/21","1/2/21","1/3/21","1/4/21","1/5/21")),stringsAsFactors =
FALSE)
print(emp.data)
```