Class exercise 2

2022-04-15

#Using a vector create a variable with “Hello” “world!”

```
print("Hello World!")
```

```
## [1] "Hello World!"
```

#My name

```
my.name <-readline(prompt="Enter name: ")
```

```
## Enter name:
```

```
print(paste("Hello,", my.name))
```

```
## [1] "Hello, "
```

#Sequences

```
seq1 = c(12,4,4,6,9,3)
seq1
```

```
## [1] 12  4  4  6  9  3
```

```
seq2 = c(5,3,2,2,12,9)
seq2
```

```
## [1]  5  3  2  2 12  9
```

```
print("Original Vectors are")
```

```
## [1] "Original Vectors are"
```

```
print(seq1)
```

```
## [1] 12  4  4  6  9  3
```

```
print(seq2)
```

```
## [1]  5  3  2  2 12  9
```

```
print("Product of two Vectors.")
```

```
## [1] "Product of two Vectors."
```

```
seq3 = (seq1 *120)+(seq2 *145)
print(seq3)
```

```
## [1] 2165  915  770 1010 2820 1665
```

#values>5

```
seq1 = c(12,4,4,6,9,3)
seq2 = seq1[which(seq1>5)]
seq2
```

```
## [1] 12  6  9
```

#matrix

```
m1 <- matrix(1:12, nrow = 3, ncol = 4)
```

#length of matrix

```
length(m1)
```

```
## [1] 12
```

#create a data frame

```
Employee <- c("Chef John Doe","BigChef Peter Gynn","BiggerChef Jolie Hope")
Salary <- c("21000","23400","26800")
Firstday <- as.Date(c('2010-11-01','2008-03-25','2007-03-14'))
data.frame(Employee,Salary,Firstday)
```

```
##                Employee Salary   Firstday
## 1         Chef John Doe  21000 2010-11-01
## 2    BigChef Peter Gynn  23400 2008-03-25
## 3 BiggerChef Jolie Hope  26800 2007-03-14
```