

Inclass Assignment 2 - Group 4- HI

Group 4- Health Informatics Group

2022-04-10

Hello World

```
H <- "Hello"  
W <- "World!"  
print (paste(H,W))
```

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

Get name from user

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

```
## Enter your name:
```

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

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

Sequence creation

```
s1 <- c(12, 4, 4, 6, 9, 3)  
s2 <- c(5, 3, 2, 2, 12, 9)
```

Multiple the 1st sequence by 120

```
s1*120 -> sm1
```

Multiple the 2nd sequence by 145

```
s2*145 -> sm2
```

Add both sequence together

```
sm1+sm2
```

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

Find the values that are > 5

```
s1>5  
## [1] TRUE FALSE FALSE TRUE TRUE FALSE
```

Matrix

```
m1 <- matrix(1:12, nrow = 3, ncol = 4)  
m1  
  
##      [,1] [,2] [,3] [,4]  
## [1,]    1    4    7   10  
## [2,]    2    5    8   11  
## [3,]    3    6    9   12
```

Length of the above matrix

```
length(m1)  
## [1] 12
```

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
```