Activities

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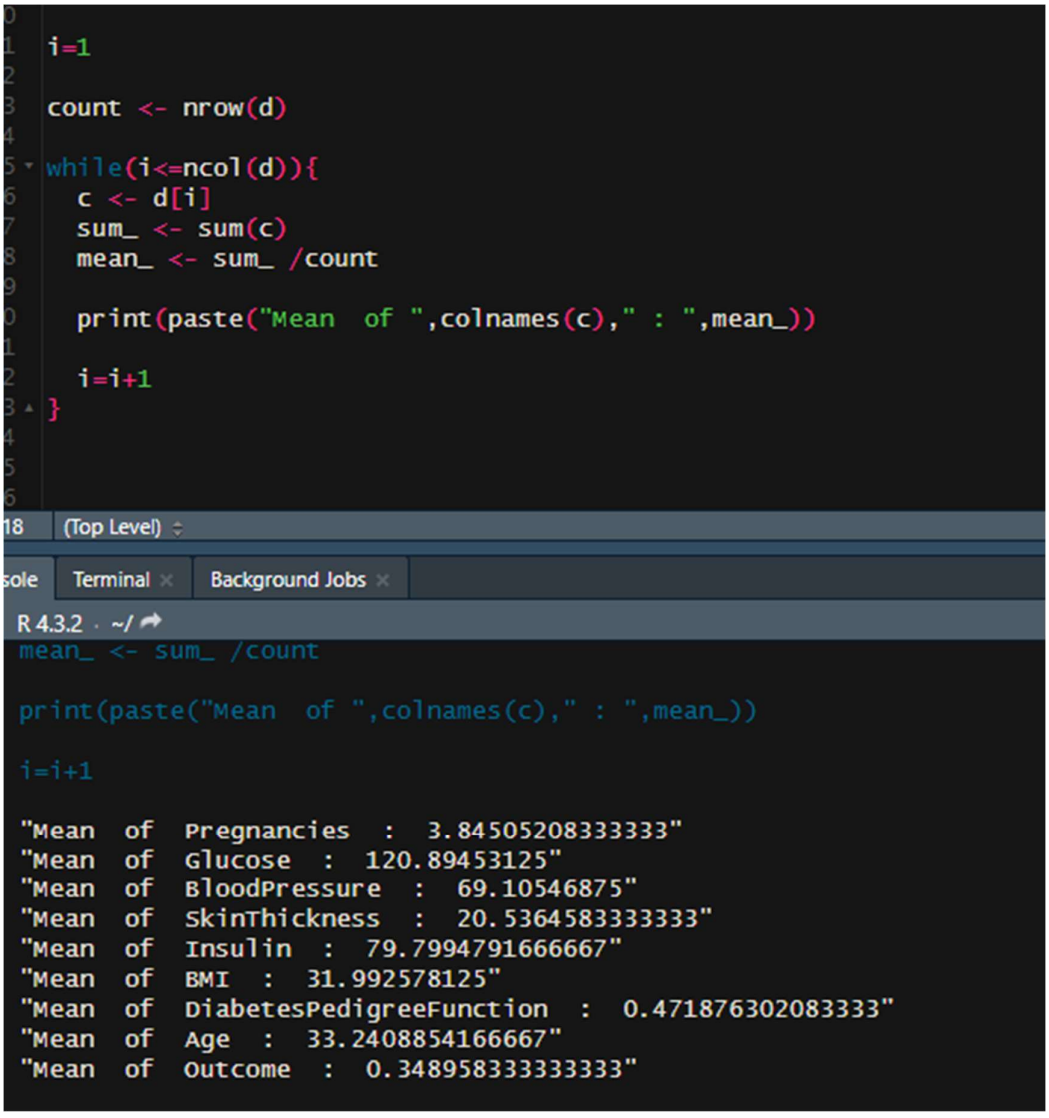
```
d <- read.csv("D:/College/Semester 4/R/diabetes.csv")


d
head(d,n=10)
tail(d,n=10)
```

Output

```
   Pregnancies Glucose BloodPressure SkinThickness Insulin  BMI
1            6     148            72            35       0 33.6
2            1      85            66            29       0 26.6
3            8     183            64             0       0 23.3
4            1      89            66            23      94 28.1
5            0     137            40            35     168 43.1
6            5     116            74             0       0 25.6
7            3      78            50            32      88 31.0
8           10     115             0             0       0 35.3
9            2     197            70            45     543 30.5
10           8     125            96             0       0  0.0
   DiabetesPedigreeFunction Age Outcome
1                     0.627  50       1
2                     0.351  31       0
3                     0.672  32       1
4                     0.167  21       0
5                     2.288  33       1
6                     0.201  30       0
7                     0.248  26       1
8                     0.134  29       0
9                     0.158  53       1
10                    0.232  54       1
```

Activities

Finding the Mean



Activities

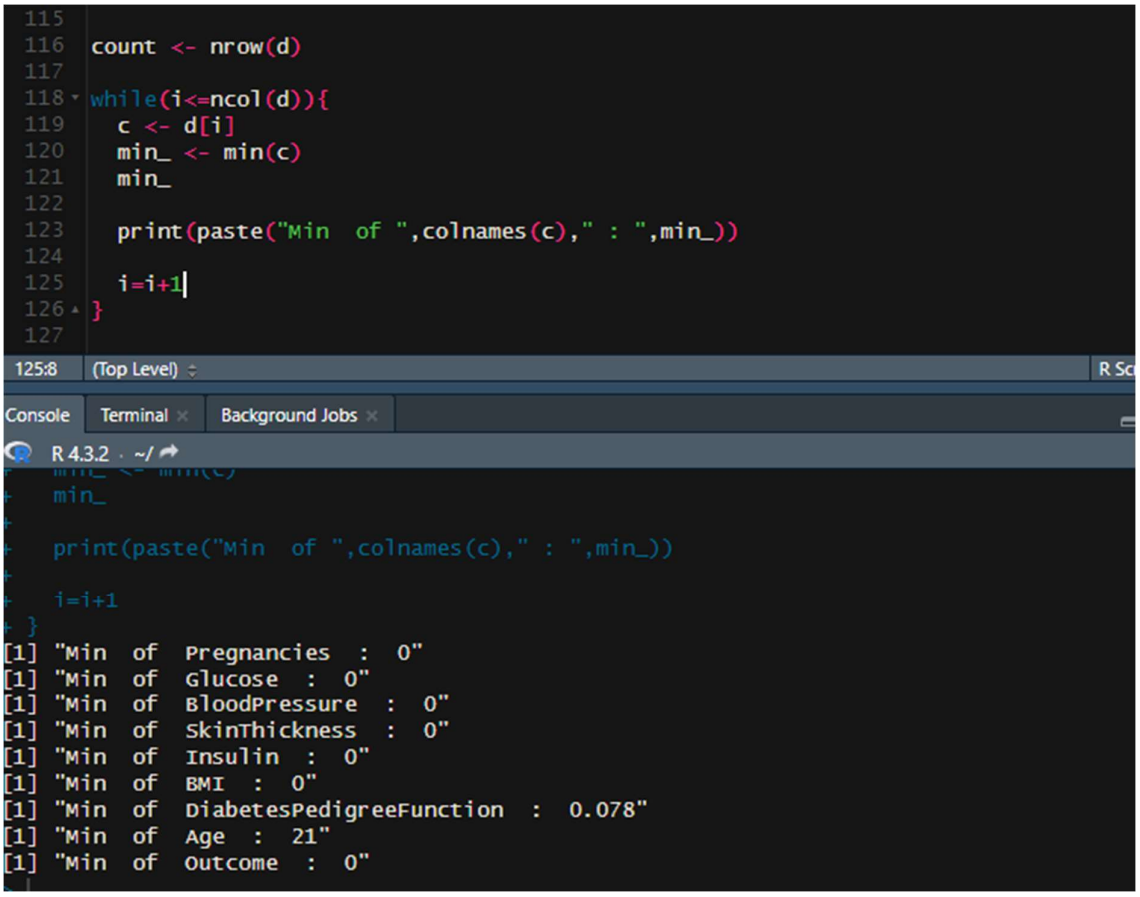
Finding the Maximum value

```
i=1


count <- nrow(d)

while(i<=ncol(d)){
  c <- d[i]
  max_ <- max(c)
  max_

  print(paste("Max  of ",colnames(c)," : ",max_))

  i=i+1
}
```

```
[1] "Max  of  Pregnancies  :  17"
[1] "Max  of  Glucose  :  199"
[1] "Max  of  BloodPressure  :  122"
[1] "Max  of  SkinThickness  :  99"
[1] "Max  of  Insulin  :  846"
[1] "Max  of  BMI  :  67.1"
[1] "Max  of  DiabetesPedigreeFunction  :  2.42"
[1] "Max  of  Age  :  81"
[1] "Max  of  Outcome  :  1"
```

Activities

Finding the minimum value



Activities

Finding the number of columns and rows present in the data frame

```
nrow(d)
ncol(d)
```

```
> nrow(d)
[1] 768
> ncol(d)
[1] 9
```