**R LAB -- 04**

**Task – 01 :**

**Aim :** Create a data frame that stores the name, age, designation of the

employee. Find how many employees are working in each designation?

**Program :**

name = c(' Mounav ', ' Rizwan ', ' Ajay ', ' Charan ', ' Vamsi ', ' M.sai ')

age = c(19, 19, 20, 30, 18, 20)

desig = c(' Manager ', ' webprogramer ', ' cyber-manager ', ' Manager ', ' webprogramer ', ' Boss ')

df = data.frame(Employee = name, Age = age, Designation = desig)

df

ind = unique(desig)

des = c()

no = c()

for(i in 1 : length(ind))

{

count = 0

for(j in 1 : length(desig))

{

if(ind[i] == desig[j])

{

count = count + 1

}

}

des = append(des,ind[i])

no = append(no,count)

}

des

no

result = data.frame("Designation" = ind, "Count" = no)

result

**Output :**

> name = c(' Mounav ', ' Rizwan ', ' Ajay ', ' Charan ', ' Vamsi ', ' M.sai ')

> age = c(19, 19, 20, 30, 18, 20)

> desig = c(' Manager ', ' webprogramer ', ' cyber-manager ', ' Manager ', ' webprogramer ', ' Boss ')

> df = data.frame(Employee = name, Age = age, Designation = desig)

> df

Employee Age Designation

1 Mounav 19 Manager

2 Rizwan 19 webprogramer

3 Ajay 20 cyber-manager

4 Charan 30 Manager

5 Vamsi 18 webprogramer

6 M.sai 20 Boss

> ind = unique(desig)

> des = c()

> no = c()

> for(i in 1 : length(ind))

+ {

+ count = 0

+ for(j in 1 : length(desig))

+ {

+ if(ind[i] == desig[j])

+ {

+ count = count + 1

+ }

+ }

+ des = append(des,ind[i])

+ no = append(no,count)

+ }

> des

[1] " Manager " " webprogramer " " cyber-manager " " Boss "

> no

[1] 2 2 1 1

> result = data.frame("Designation" = ind, "Count" = no)

> result

Designation Count

1 Manager 2

2 webprogramer 2

3 cyber-manager 1

4 Boss 1

**Aim :** Create two vectors that stores the details of name and gender of the employees. Find how many ‘male’ and ‘female’ employees are present?

**Program :**

name1 <- c('sai','geetha','ajay','Madhu','vamsi','Parveen')

gender <- c('male','female','male','female','male','female')

mc = sum(gender == 'male')

fc = sum(gender == 'female')

print("No.of male employess : ")

mc

print("No.of female employess : ")

fc

**Output :**

> name1 <- c('sai','geetha','ajay','Madhu','vamsi','Parveen')

> gender <- c('male','female','male','female','male','female')

> mc = sum(gender == 'male')

> fc = sum(gender == 'female')

> print("No.of male employess : ")

[1] "No.of male employess : "

> mc

[1] 3

> print("No.of female employess : ")

[1] "No.of female employess : "

> fc

[1] 3

**Result :** Successfully completed the Both Aims.