

Lab4_10224

functions

function for adding two number

```
addition<-function()
{
  a=20
  b=30
  print(a+b)
  cat("Sum:- ",a+b)
}
addition()
```

function for adding two number userdefined

```
addition<-function()
{
  a=20
  b=30
  print(a+b)
  cat("Sum:- ",a+b)
}
addition()
```

Menu driven for all types of functions

```
a=readline("Enter value from 1-3:- ")
cat("Value is:- ",a)
a=as.numeric(a)
if(a==1)
{
  addition<-function()
  {
```

a=10

b=20

**cat("addition of two number (without parameter:-):-
",a+b)**

}

addition()

}else if(a==2){

addition<-function(a,b)

{

cat("addition of two number (with parameter:-):-

",a+b)

}

addition(30,20)

}else{

addition<-function(a,b)

{

return (60+20)

}

ans<-addition(a,b)

print(ans)

}

search number from vector by user

vector<-c(1,2,3,4,5)

a<-readline("Enter value to search:- ")

a=as.numeric(a)

cat(grepl(a,vector))

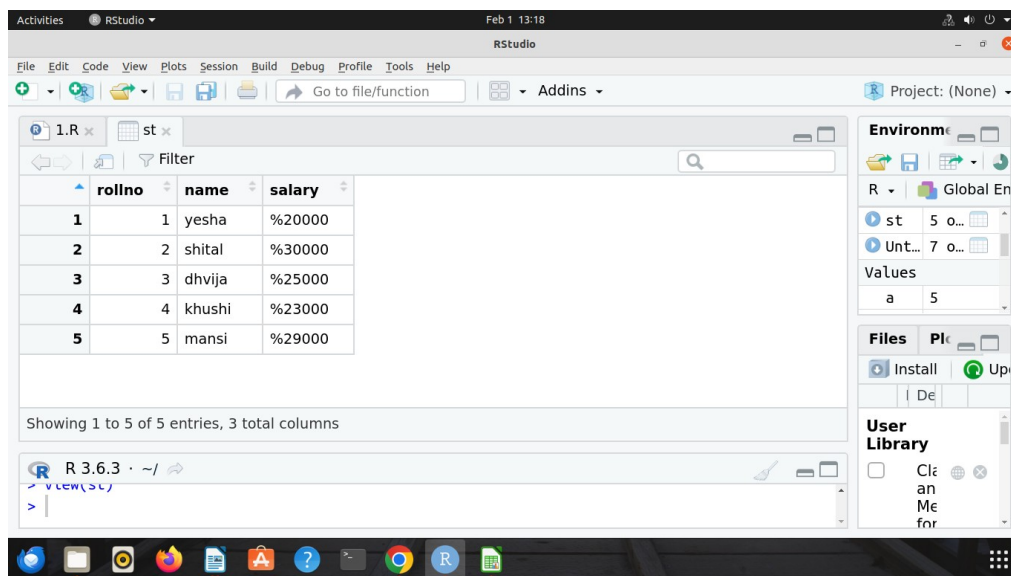
`cat(grep(a,vector))`

gsub function

(gsub function) Removing % symbol from str

`str="%yesha"`

`gsub("%"," ",str)`



`st$salary<-gsub("%"," ",st$salary)`

`st`

create data frame use gsub function to remove %

`df1 = data.frame(id=c(1,2,3),name=c("a","%b","%c"))`

`df1`

`df1$name=gsub("%"," ",df1$name)`

`df1`

apply function

```
df<-data.frame(x=c(1,2,3,4,5),y=c(20,25,34,12,67))
```

```
df
```

```
sapply(df,sum)
```

```
sapply(df,max)
```

Aggregate function

y ki values x me se max dhundho

```
aggregate(d$y,list(d$x),max)
```

-
- STEP1:-** open excel (spread sheet) libre office
- STEP2:-** data-rollno,name,course
- STEP3:-** save with extension .csv
- STEP6:-** enviournment->import->from text(base)->browse->select file->uncheck string as a factor>import->data will display in file r studio->console ->student_data->print the data.

