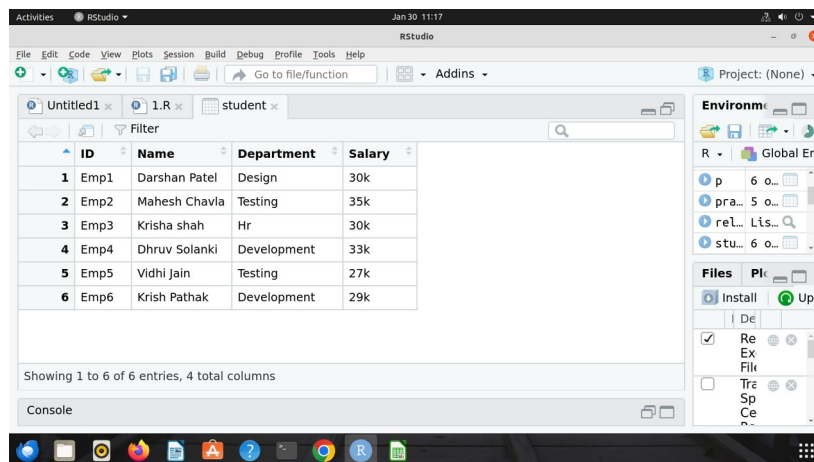


30/1/24 LAB-3

DATA-FRAME AND EXCEL QUES

- STEP1:-** open excel (spread sheet) libre office
STEP2:- data-rollno,name,course
STEP3:- save with extension .xlsx
STEP4:- R_oldpc.zip->folder3.6->copy->home->r->linux...->folder3.6->paste
STEP5:- rstudio->package->readxl
STEP6:- enviournment->import->from excel->browse->select file->import->data will display in file r studio->console ->student_data->print the data



The screenshot shows the RStudio interface with a data frame named 'student' loaded. The data frame has 6 rows and 4 columns: ID, Name, Department, and Salary. The data is as follows:

ID	Name	Department	Salary	
1	Emp1	Darshan Patel	Design	30k
2	Emp2	Maresh Chavla	Testing	35k
3	Emp3	Krishna shah	Hr	30k
4	Emp4	Dhruv Solanki	Development	33k
5	Emp5	Vidhi Jain	Testing	27k
6	Emp6	Krish Pathak	Development	29k

add cols hobby with data and print

hobby->c("read","dance","read","dance","sleep","sleep")

student<-data.frame(student,hobby)

student

count no. Of employee belongs to development

nrow(student[student\$Department=="Development",])

print salary greater than 30k

student[student\$Salary>="30k",]

print salary,name cols

```
student[,c("Name","Salary")]
```

to add record to data

```
d<-c("Emp7","Yesha Shah","Design","30k")
```

```
student<-rbind(student,d)
```

```
student
```

to delete 1 and 3 record

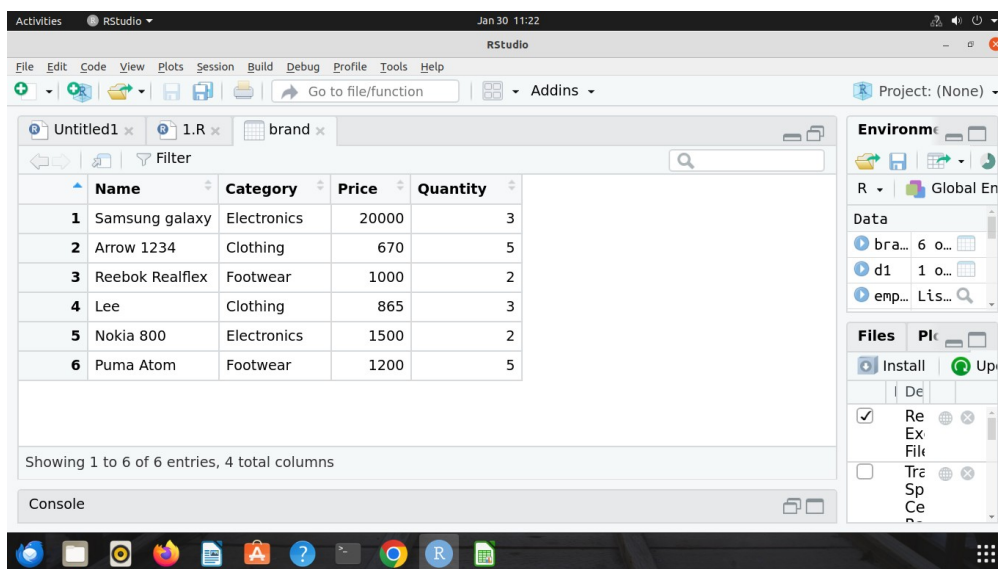
```
student<-student[c(-1,-3),]
```

```
student
```

to delete column salary

```
student$Salary=NULL
```

```
student
```



The screenshot shows the RStudio environment with a data frame named 'brand' displayed in the viewer pane. The data frame has 6 rows and 4 columns: Name, Category, Price, and Quantity. The rows are numbered 1 to 6. The console pane is empty.

	Name	Category	Price	Quantity
1	Samsung galaxy	Electronics	20000	3
2	Arrow 1234	Clothing	670	5
3	Reebok Realflex	Footwear	1000	2
4	Lee	Clothing	865	3
5	Nokia 800	Electronics	1500	2
6	Puma Atom	Footwear	1200	5

display

brand

extract data- name quantity

```
brand[,c("Name","Quantity")]
```

reorder data.frame(name,quantity,price,category)

```
name=brand$Name
```

```
category=brand$Category
```

price=brand\$Price
brand<-data.frame(name,price,category)
brand

delete quantity column
brand\$Quantity=NULL
brand

display price greater than 10000
brand[brand\$price>10000,]

drop 2,4,6 row record
brand<-brand[c(-2,-4,-6),]

drop category column
brand\$category=NULL
brand