Reading a Excel file:

```
[1] install.packages("xlsx")
```

```
Installing package into '/usr/local/lib/R/site-library'
(as 'lib' is unspecified)

also installing the dependencies 'rJava', 'xlsxjars'
```

```
[2] library("xlsx")
```

```
[6] df=read.xlsx("Titanic-clean.xlsx", sheetIndex=1)
    df
```

A data.frame: 712 × 7

Survived	Pclass	Gender	Age	Family	Fare	Embarked
<chr>	<chr>	<chr>	<dbl>	<dbl>	<dbl>	<chr>
No	Third class	M	22	1	7.2500	Southampton
Yes	First class	F	38	1	71.2833	Cherbourg
Yes	Third class	F	26	0	7.9250	Southampton
Yes	First class	F	35	1	53.1000	Southampton
No	Third class	M	35	0	8.0500	Southampton
No	First class	M	54	0	51.8625	Southampton
No	Third class	M	2	4	21.0750	Southampton
Yes	Third class	F	27	2	11.1333	Southampton
Yes	Second Class	F	14	1	30.0708	Cherbourg
Yes	Third class	F	4	2	16.7000	Southampton
Yes	First class	F	58	0	26.5500	Southampton
No	Third class	M	20	0	8.0500	Southampton
No	Third class	M	39	6	31.2750	Southampton
No	Third class	F	14	0	7.8542	Southampton
Yes	Second Class	F	55	0	16.0000	Southampton

```
[8] df=read.xlsx("Titanic-clean.xlsx", sheetIndex=1, rowIndex=1:10)
    df
```

A data.frame: 9 × 7

Survived	Pclass	Gender	Age	Family	Fare	Embarked
<chr>	<chr>	<chr>	<dbl>	<dbl>	<dbl>	<chr>
No	Third class	M	22	1	7.2500	Southampton
Yes	First class	F	38	1	71.2833	Cherbourg
Yes	Third class	F	26	0	7.9250	Southampton
Yes	First class	F	35	1	53.1000	Southampton
No	Third class	M	35	0	8.0500	Southampton
No	First class	M	54	0	51.8625	Southampton
No	Third class	M	2	4	21.0750	Southampton
Yes	Third class	F	27	2	11.1333	Southampton
Yes	Second Class	F	14	1	30.0708	Cherbourg

In [ ]:

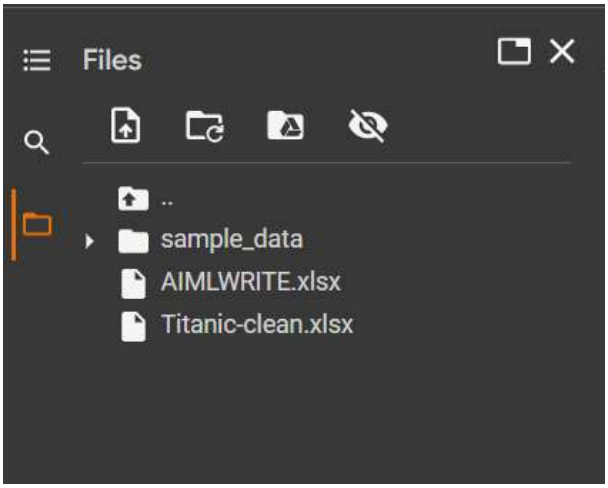
Creating a DataFrame and writing the values in the existing excel file:

In [26]:

```
df=data.frame(name=c("William","Emma","Nanthiesh","Rohit","Prasanna"), region=c("east","west","north","south","north"),
              sales=c("200000","23980","3848334","893479","93487398"), expenses=c("154824","234873","846785","157863","545312"))
df
```

name	region	sales	expenses
William	east	200000	154824
Emma	west	23980	234873
Nanthiesh	north	3848334	846785
Rohit	south	893479	157863
Prasanna	north	93487398	545312

```
write.xlsx(df, file="AIMLWRITE.xlsx",sheetName = "Sample")
```



Creating a Excel file:

```
write.xlsx(df, file="AIMLWRITE.xlsx",sheetName = "Sample")
```

for deleting the first column:

```
write.xlsx(df, file="AIMLWRITE.xlsx",sheetName = "Sample", row.name = FALSE)
```

to read a specific sheet name:

```
write.xlsx(df, file="AIMLWRITE.xlsx",sheetName = "New_Titanic" )
```

range of row index:

```
write.xlsx(df, file="AIMLWRITE.xlsx",sheetName = " New_Titanic", rowIndex=1:10)
```

read excel from 3rd row:

```
write.xlsx(df, file="AIMLWRITE.xlsx",sheetName = "New_Titanic", startRow=3)
```

range of col index:

```
write.xlsx(df, file="AIMLWRITE.xlsx",sheetName = "New_Titanic", colIndex=1:3)
```

In [ ]:

```
# to create another sheet in the existing excel file:
write.xlsx(df,file="mynewAIML.xlsx",sheetName="Exp Data" ,append=TRUE)
```