

Scripting Languages

File Based Database Management Software

1306161395 Fatih Durukan

Documentary

Create_DB

Using:

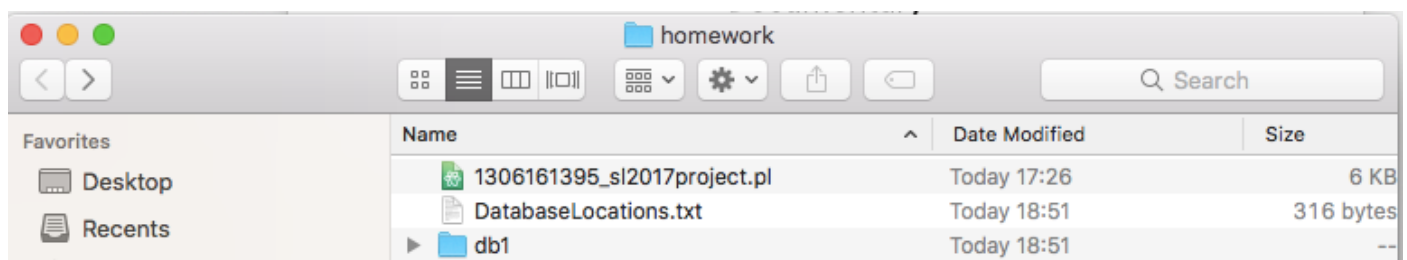
```
perl 1306161395_sl2017project.pl Create_DB <whereyouwant> <databaseName>
```

This will create a database(directory) where you want with name you choose. Also, it will create a table(text) which holds every databases and their locations.

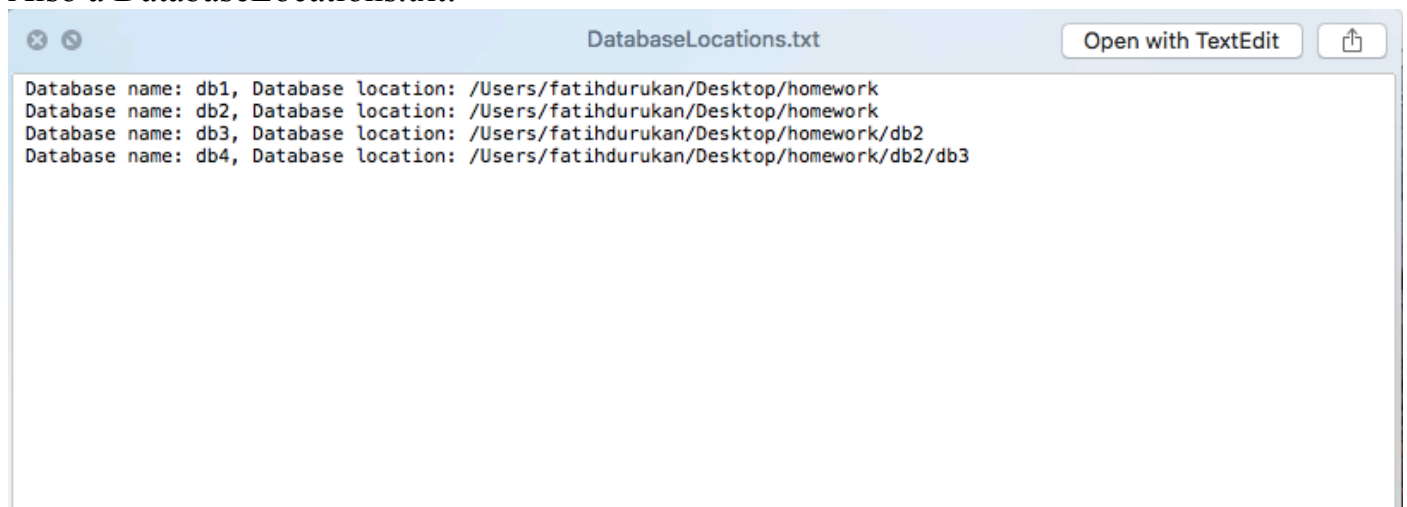
Example:

```
perl 1306161395_sl2017project.pl Create_DB /Users/fatihdurukan/Desktop/homework db1
```

This will create a directory in Desktop/homework with db1 name.



Also a DatabaseLocations.txt:



Delete_DB

Using:

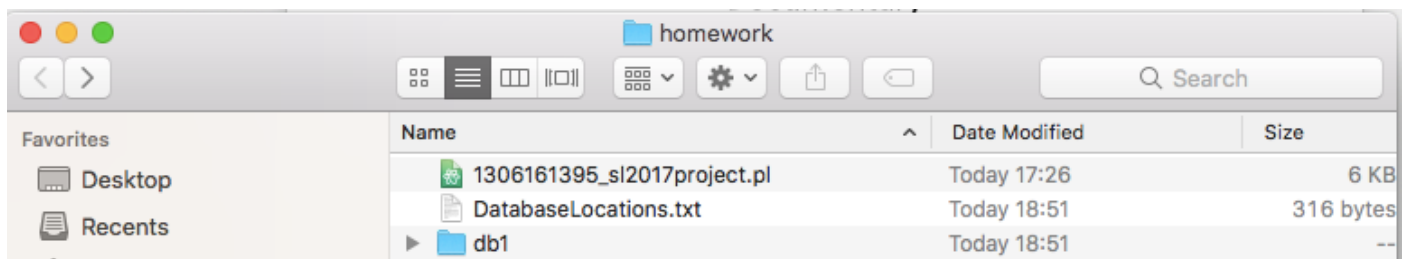
```
perl 1306161395_sl2017project.pl Delete_DB <Directory>
```

This will delete directory and its subdirectories.

Example:

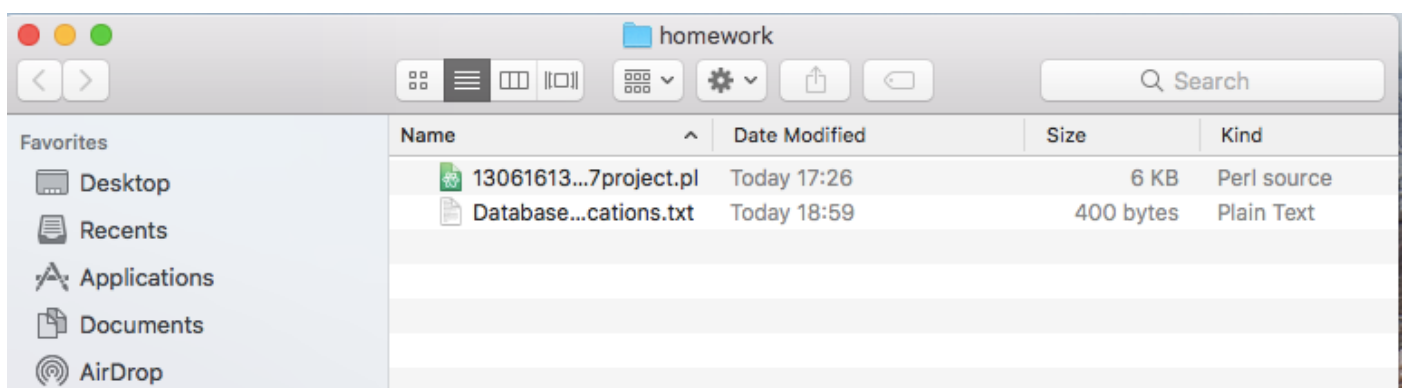
```
perl 1306161395_sl2017project.pl Delete_DB /Users/fatihdurukan/Desktop/homework/db2
```

Before:



```
Fatihs-MacBook-Air:homework fatihdurukan$ perl -w 1306161395_sl2017project.pl Delete_DB /Users/fatihdurukan/Desktop/homework/db1
Database was deleted!
```

After:



Create Table

Using :

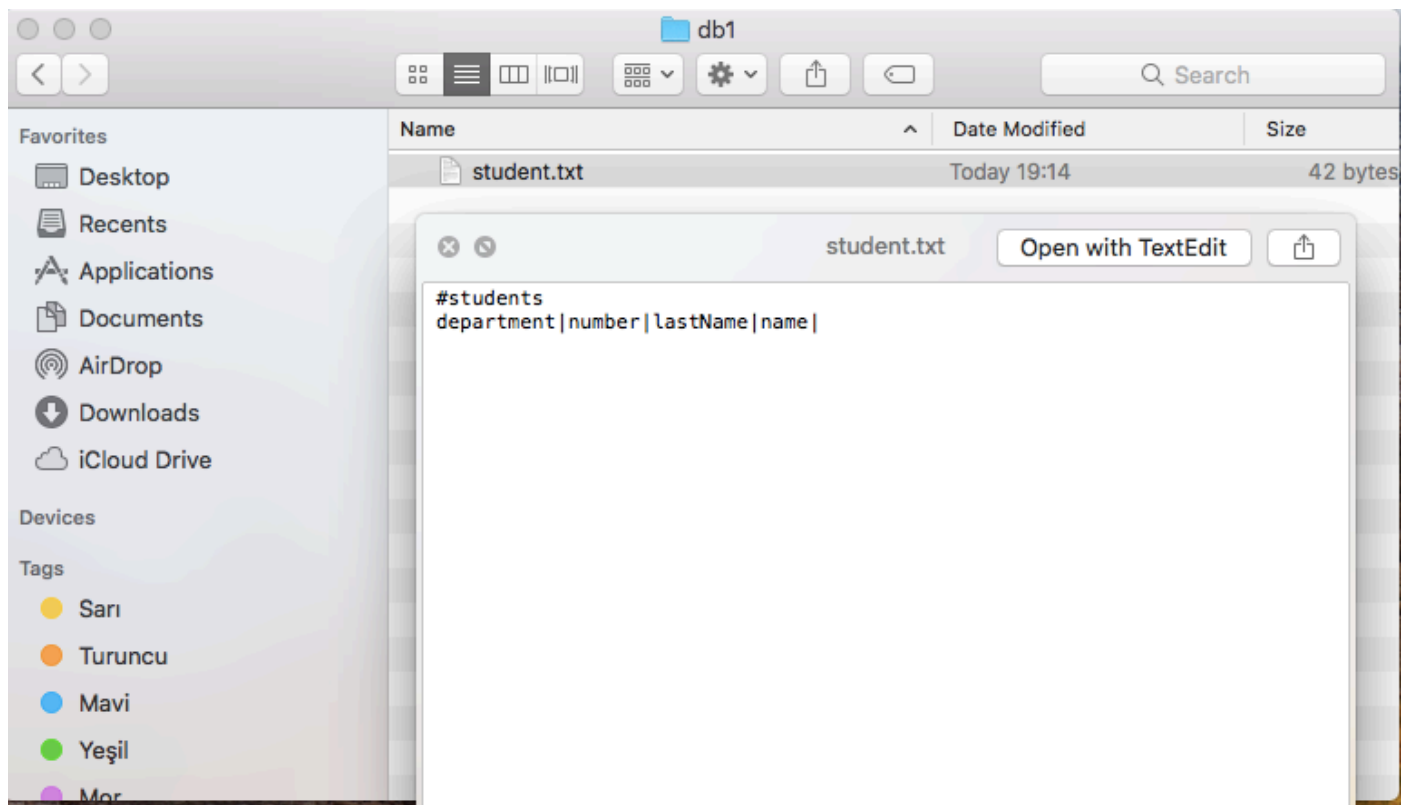
```
perl 1306161395_sl2017project.pl Create_Table <Database> <TableName> <TableName1>  
<Columns> <Columns> <Columns> ...
```

This will create a table(text) in directory where you want. You can add as many columns as you want.

Example:

```
perl 1306161395_sl2017project.pl Create_Table  
/Users/fatihdurukan/Desktop/homework/db1 student students name lastName number  
department
```

```
Database was created!  
[Fatih@MacBook-Air:homework fatihdurukan$ perl 1306161395_sl2017project.pl Create_Table /Users/fatihdurukan/Desktop/homework/db1 student students name lastName number department  
Table name and columns are ready!  
Table name and columns was written in table!
```



Insert_Into

Using:

```
perl 1306161395_sl2017project.pl Insert_Into <DataBase> <Table> <Column> <Column>  
<Column> <Column>
```

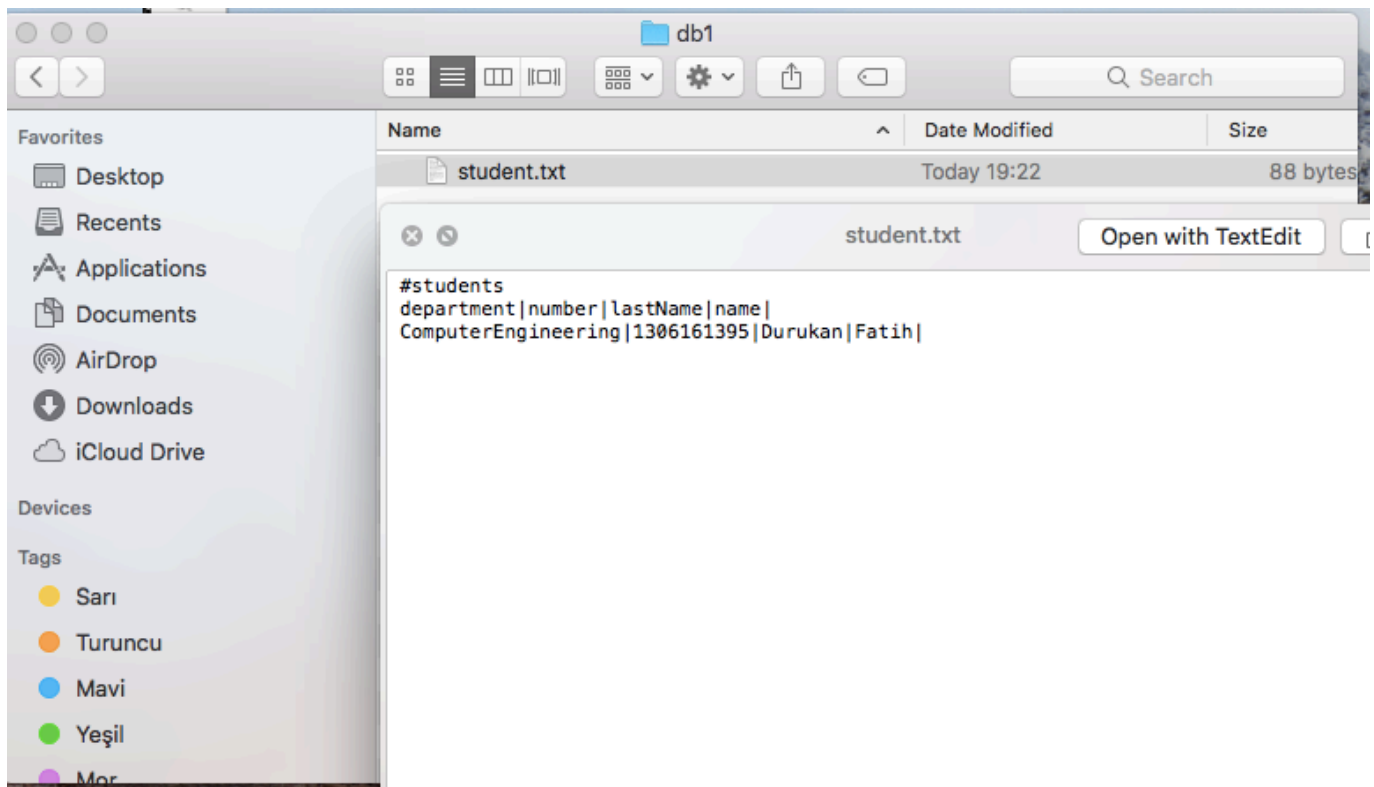
This will insert a row wherever you want.

Example:

```
perl 1306161395_sl2017project.pl Insert_Into /Users/fatihdurukan/Desktop/homework/db1  
student ComputerEngineering 1306161395 Durukan Fatih
```

```
Fatihs-MacBook-Air:homework fatihdurukan$ perl 1306161395_sl2017project.pl Insert_Into /Users/fatihdurukan/Desktop/homework/db1 student ComputerEngineering 1306161395 Durukan Fatih
```

ScreenShot



Delete_Row

Using:

```
perl 1306161395_sl2017project.pl Delete_Row <Database> <Table> <NameDeleted>
```

This will delete whole row which include your key word.

Example:

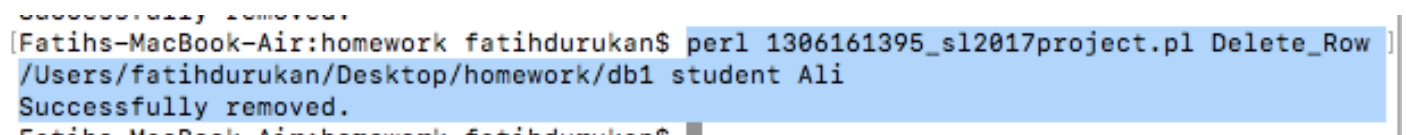
```
perl 1306161395_sl2017project.pl Delete_Row /Users/fatihdurukan/Desktop/homework/db1  
student Ali
```

Before:



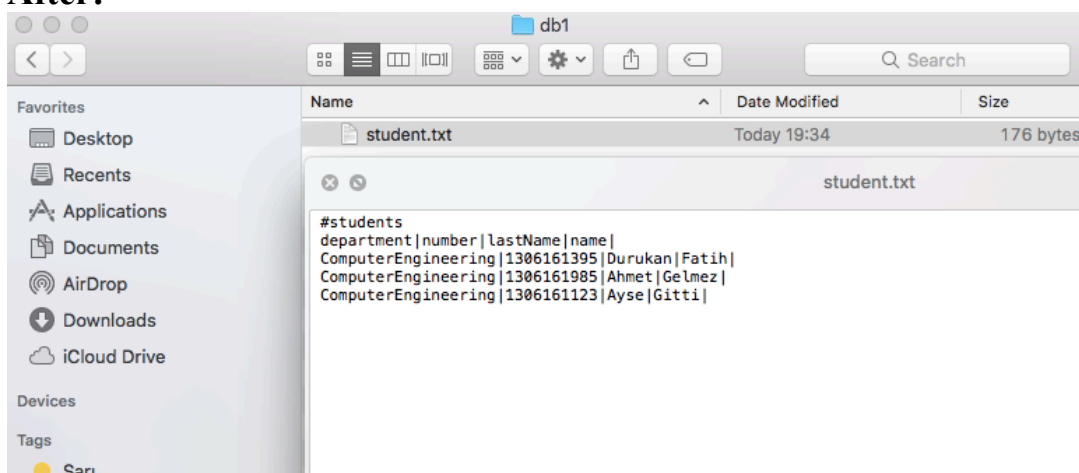
```
#students  
department|number|lastName|name|  
ComputerEngineering|1306161395|Durukan|Fatih|  
ComputerEngineering|1306161256|Mehmet|Ali|  
ComputerEngineering|1306161985|Ahmet|Gelmez|  
ComputerEngineering|1306161123|Ayse|Gitti|
```

Command Line:



```
[Fatih@MacBook-Air:homework fatihdurukan$ perl 1306161395_sl2017project.pl Delete_Row  
/Users/fatihdurukan/Desktop/homework/db1 student Ali  
Successfully removed.  
Fatih@MacBook-Air:homework fatihdurukan$
```

After:



Name	Date Modified	Size
student.txt	Today 19:34	176 bytes

```
#students  
department|number|lastName|name|  
ComputerEngineering|1306161395|Durukan|Fatih|  
ComputerEngineering|1306161985|Ahmet|Gelmez|  
ComputerEngineering|1306161123|Ayse|Gitti|
```

Update

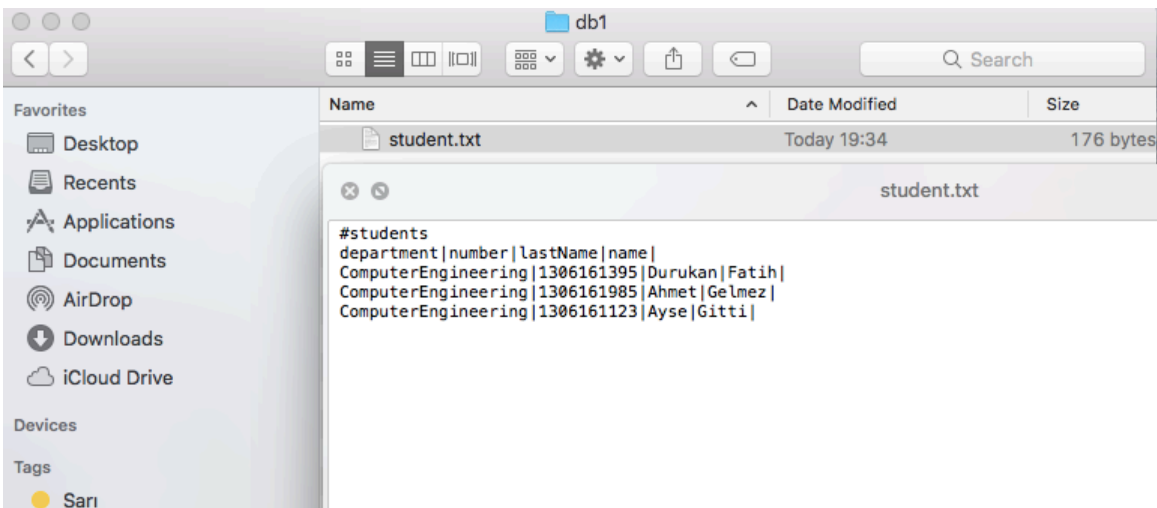
Using:

```
perl 1306161395_sl2017project.pl Update <Database> <Table> <WillChange>  
<NewValue>
```

This will update all <WillChange> with <NewValue>

Example:

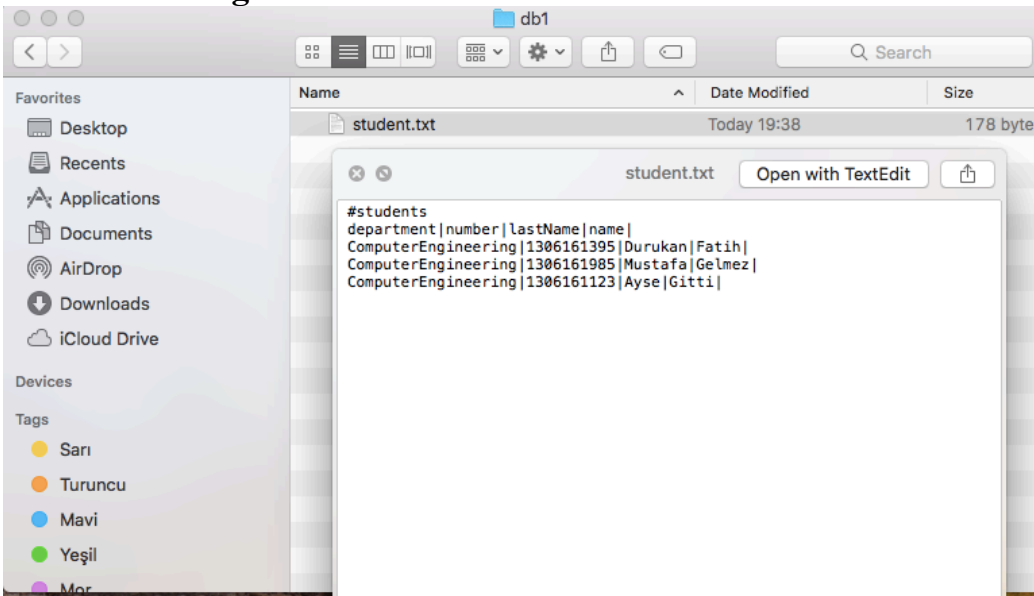
```
perl 1306161395_sl2017project.pl Update /Users/fatihdurukan/Desktop/homework/db1  
student Ahmet Mustafa
```



Command Line:

```
Fatihs-MacBook-Air:homework fatihdurukan$ perl 1306161395_sl2017project.pl Update  
e /Users/fatihdurukan/Desktop/homework/db1 student Ahmet Mustafa  
Old is Ahmet  
New is Mustafa
```

Ahmet is changed with Mustafa:



Search

Using:

```
perl 1306161395_sl2017project.pl Search <Database> <Table> <Key>
```

This will return whole row of key.

Example:

```
perl 1306161395_sl2017project.pl Search /Users/fatihdurukan/Desktop/homework/db1  
student Durukan
```

```
[Fatih@MacBook-Air:homework fatihdurukan$ perl 1306161395_sl2017project.pl Search  
h /Users/fatihdurukan/Desktop/homework/db1 student Durukan  
Lined that matched with Durukan  
ComputerEngineering|1306161395|Durukan|Fatih|
```


Alter_Table

This will change table name and columns name

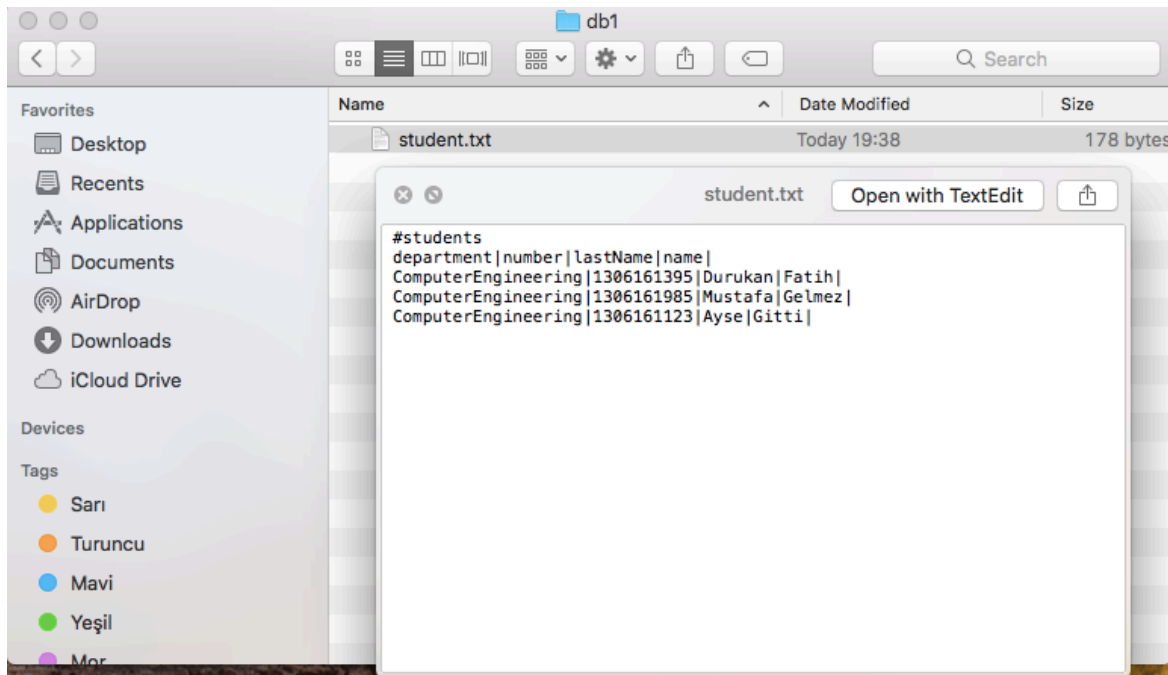
Using:

```
perl 1306161395_sl2017project.pl Alter_Table <Database> <Table> <TableName>  
<Column> <Column> <Column> <Column>
```

Example:

```
perl 1306161395_sl2017project.pl Alter_Table /Users/fatihdurukan/Desktop/homework/db1  
student personels LastName Name PhoneNumber School
```

Before:



Command Line:

```
[Fatih@MacBook-Air:homework fatihdurukan$ perl 1306161395_sl2017project.pl Alter_Table /Users/fatihdurukan/Desktop/homework/db1 student personels LastName Name PhoneNumber School  
Fatih@MacBook-Air:homework fatihdurukan$
```

After:

