# Project Two

# Python TKinter

By:

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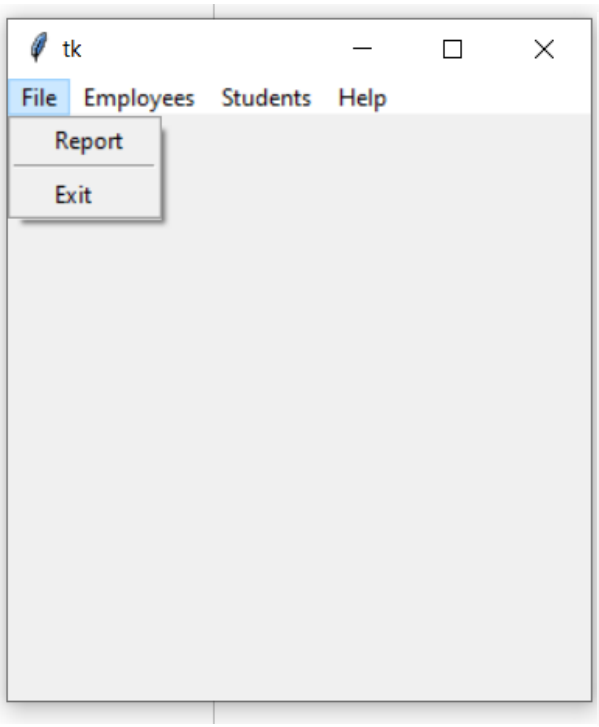
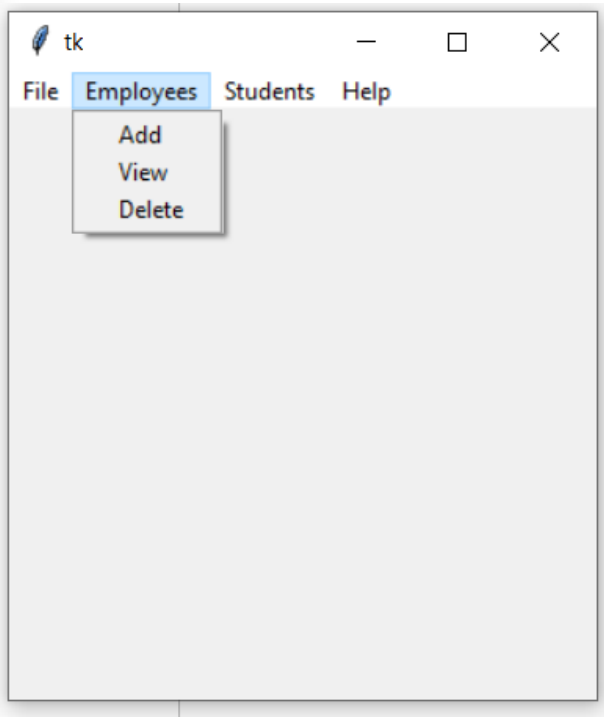
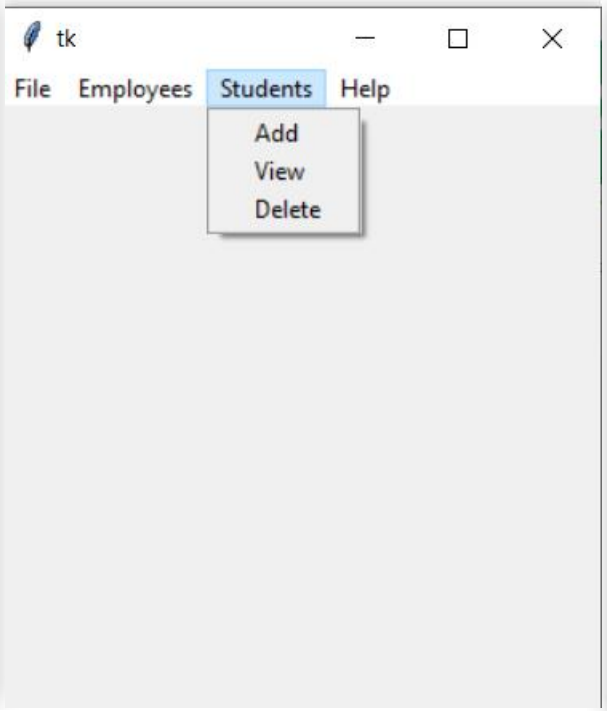
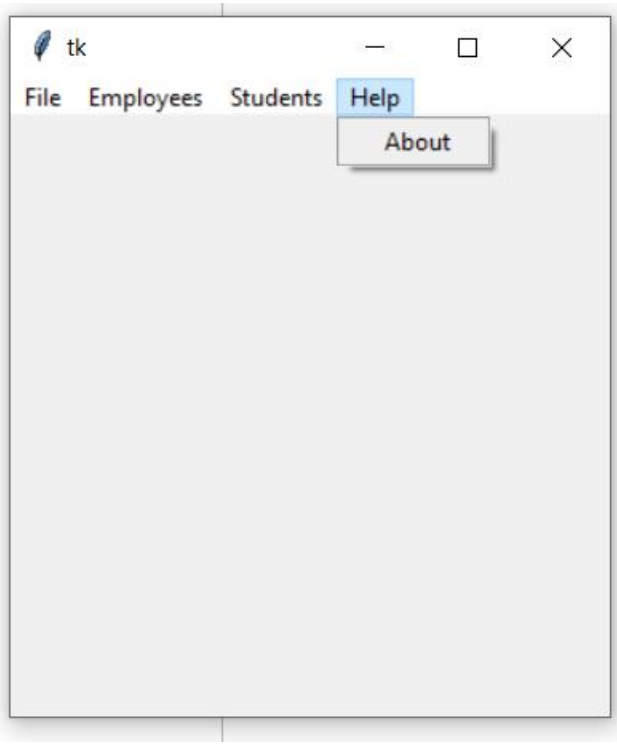
# Project two


tk
File
Employees
Students
Help
Report
Exit


tk
File
Employees
Students
Help
Add
View
Delete


tk
File
Employees
Students
Help
Add
View
Delete


tk
File
Employees
Students
Help
About

# Project two

Based on Project One outcomes,

1. Create a tkinter Application ( Main Screen) with the following Menus :
   a) File Menu that has :
      I. Report menu to show all requested reports from project one
      II. Separator menu
      III. Exit menu
   b) Employees ( Main Menu) , with the following sub menu
      1. Add Employee (When Clicked , Create a screen to enter all fields for the new Employee with the right validations rules).
      2. View Employees ( When Clicked , Create a screen to view all fields for all Employee).
      3. Delete Emplyee ( When Clicked , Create a screen to enter Employee Number and delete it from the List – if exist, otherwise return a message say that the employee with this Number doesn't exist ).

# Project two

c) Students ( Main Menu) , with the following sub menu

1. Add Student (When Clicked , Create a screen to enter all fields for the new Student, with the right validations rules).
2. View Students ( When Clicked , Create a screen to view all fields for all Students).
3. Delete Student ( When Clicked , Create a screen to enter student Number and delete it from the List – if exist, otherwise return a message say that the employee with this Number doesn't exist ).

d) Help menu that has about submenu, when About clicked to show message that tells “OOP second Project”

# Project two

2. Enter 10 employees ( with you own data – that is realistic data)
3. Enter 10 students ( with you own data – that is realistic data)
4. Delete 3 employees and then view the new list
5. Delete 5 students and then view the new list

# Project two

Notes :

- To convert string to list :

```
a="15,23,30,42,225"
b = [int(i) for i in a.split(",")]
print(b)
>>>[15, 23, 30, 42, 225]
```

# Project two

Notes :

- To convert string to Dict :

```
import json
c='{"English":80,"Arabic":90,"Art":95,"Management":75}'
e = json.loads(c)
print(e)
>>>{'English': 80, 'Arabic': 90, 'Art': 95, 'Management': 75}
```

**Or**

```
import ast
c='{"English":80,"Arabic":90,"Art":95,"Management":75}'
d=ast.literal_eval(c)
print(d)
>>>{'English': 80, 'Arabic': 90, 'Art': 95, 'Management': 75}
```