Alternate Solution with Output Results

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/****************************************************************
 * One of many possible solutions for the CPT200 Week3 Assignment. *

 ****************************************************************/
```

File Edit Format Run Options Window Help

```python
#Initialize list to store employees' information
lstEmployee = []

#clear the IDLE shell window
def cls():
    print ("\n" * 50)

#display the employee information in the required format
def employeeFormatedInfo(name,ssn,phone,email, salary):
    print("")
    print('-------------- {0:s} ----------------------'.format(name))
    print('SSN: {0:s}'.format(ssn))
    print('Phone: {0:s}'.format(phone))
    print('Email: {0:s}'.format(email))
    print('Salary: ${0:s}'.format(salary))
    print("----------------------------------------")
    print("")

#view all employees in the system
def viewEmployeeInfo():
    cls()
    print("------------------------------------------------------------------------")
    print("")
    print("          View all employees in the system")
    print("")
    print("------------------------------------------------------------------------")
    print("")
    if(len(lstEmployee)==0):
        #When no employees in the system, view the "No employee  in the list" message
        print("-----------------------------------------------------------")
        print("           No employees in the list.")
        print("-----------------------------------------------------------")
    else:
        #display all employees in the system
        for i in range(0, len(lstEmployee)):
            line = lstEmployee[i].split(',')
            employeeFormatedInfo(line[0],line[1],line[2],line[3], line[4])
    try:
        option=int(input('Enter 0 to exit or any key to continue:'))
        if option == 0:
            cls()
    except:
        cls()
```

```python
#add employee to the system
def addEmployeeToList():
    cls()
    print("----------------------------------------------------------------")
    print("")
    print("              Add Employee Information")
    print("")
    print("----------------------------------------------------------------")
    print("")
    try:
        #allow users to enter the employee Name,SSN, Phone, Email, and Salary
        name=input('Employee Name: ')
        ssn=input('Employee SSN: ')
        phone=input('Employee Phone No.: ')
        email=input('Employee Email: ')
        salary=input('Employee Salary: ')
        line = name +',' +ssn +',' +phone +',' +email +',' +salary
        index = len(lstEmployee)
        lstEmployee.insert(index, line)
    except:
        cls()
        addEmployeeToList()
    print("")
    print("Employee information has been successfully added to the list.")
    print("")
    print("----------------------------------------------------------------")
    print("")
    try:
        #allow users to add new employee or return to the main menu when they enter zero
        option=int(input('Enter 0 to return to main menu, or any other number to add new emaployee:'))
        if option == 0:
            cls()
        else:
            cls()
            addEmployeeToList()
    except:
        cls()
        addEmployeeToList()

#display the system "main menu"
def printOptions():
    print("--------------- Employee Management System --------\n")
    print('There are ( {0:2d} ) employees in the system.'.format(len(lstEmployee)))
    print("\n--------------------------------------------------")
    print("1. View all employees  \n")
    print("2. Add new employee \n")
    #validate the user selection
    try:
        answer=int(input('Please enter your option number: '))
    except ValueError:
        print("Not a number")
        return 100
    print("")
    print("--------------------------------------------------")
    print("")
    return answer


#utilize looping to run the Python script constantly
while True:
    cls()
    mode = printOptions()
    #view all employees in the system
    if mode == 1:
        cls()
        viewEmployeeInfo()
    #add employee to the system
    if mode == 2:
        cls()
        addEmployeeToList()
```

Program output

```
--------------- Employee Management System --------

There are (  0 ) employees in the system.


--------------------------------------------------
1. View all employees

2. Add new employee

Please enter your option number: 1
```

```
--------------------------------------------------

          View all employees in the system

--------------------------------------------------


--------------------------------------------------
          No employees in the list.
--------------------------------------------------
Enter 0 to exit or any key to continue:
```

```
------------------------------------------------------------------------

            Add Employee Information

------------------------------------------------------------------------


Employee Name: Mike Smith
Employee SSN: 111-22-3333
Employee Phone No.: (123)123-1234
Employee Email: mike@email.com
Employee Salary: $5000

Employee information has been successfully added to the list.


------------------------------------------------------------------------

Enter 0 to return to main menu, or any other number to add new emaployee:
```

```
--------------- Employee Management System -------

There are (  1 ) employees in the system.

-------------------------------------------------
1. View all employees

2. Add new employee

Please enter your option number:
```

```
--------------------------------------------------------------------

          Add Employee Information

--------------------------------------------------------------------


Employee Name: Sara Smith
Employee SSN: 222-33-4444
Employee Phone No.: (123)321-4321
Employee Email: sara@email.com
Employee Salary: $6000

Employee information has been successfully added to the list.


--------------------------------------------------------------------


Enter 0 to return to main menu, or any other number to add new emaployee:
```

```
--------------- Employee Management System ------

There are (  2 ) employees in the system.

------------------------------------------------
1. View all employees

2. Add new employee

Please enter your option number:
```

```
------------------------------------------------------------

            View all employees in the system

------------------------------------------------------------



--------------- Mike Smith ----------------------
SSN: 111-22-3333
Phone: (123)123-1234
Email: mike@email.com
Salary: $$5000
--------------------------------------------



--------------- Sara Smith ----------------------
SSN: 111-11-2222
Phone: (123)123-1111
Email: sara@email.com
Salary: $$6000
--------------------------------------------

Enter 0 to exit or any key to continue:
```