Alternate Solution with Output Results

```
File Edit Format Run Options Window Help
#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('-----'.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 employeesin the system, view the "No employee" in the list" message
      print("----")
               No employees in the list.")
      print("
      print("-----
      #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])
      option=int(input('Enter 0 to exit or any key to continue:'))
      if option == 0:
         cls()
   except:
     cls()
```

```
#add employee to the system
def addEmployeeToList():
   cls()
    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("")
       #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()
```

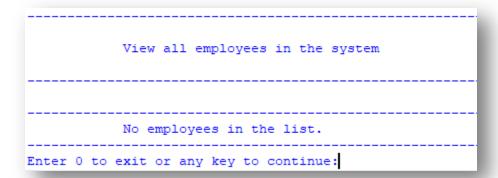
Program output

```
There are ( 0 ) employees in the system.

1. View all employees

2. Add new employee

Please enter your option number: 1
```



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:

```
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:
```

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