**4 b) Consider the text file “Emp.txt”, with the details of Employees like Emp\_code, Emp\_name, Basic\_Salary, DA,Gross\_salary, Net\_salary, LIC and PF, Total\_deductions. Read Emp\_code, Emp\_name, Basic\_Salary, DA, LIC and PF from the user using input() and compute the following:**

**i)Total\_Deductions= (LIC+PF)**

**ii) Gross\_Salary= Basic\_Salary+ DA**

**iii) Net\_Salary= Gross\_Salary – Total\_Deductions.**

**Write the above data to file for each employee. Read the content of “Emp.txt”and display the details of each employee**

**Algorithm:**

1. Start
2. Open the file ‘Emp.txt’ in append mode
3. Input the number of Employess
4. For every Employee, read the Emp\_Code, Emp\_name, Basic\_Salary, DA, Gross\_Salary, Net\_Salary, LIC, PF.
5. Compute the following
   1. Total\_deductions = LIC+PF
   2. Gross\_Salary = Basic\_Salary+DA
   3. Net\_Salary = Gross\_Salary – Total\_deductions.
6. Write Employee’s data in to the file.
7. Close the file
8. Open the file in read mode
9. Display the details of Employee.
10. Close the file.

Coding:

empfile=open("emp.txt",'a+')

flag=input("\n You want to update the file Y/N")

if(flag=='Y'):

n=int(input("Enter how many Employees"))

for i in range(n):

Emp\_code, Emp\_name,Basic\_salary, DA, LIC, PF=input("Enter the Emp\_code, Emp\_name, Basic\_Salary, DA, LIC and PF\n").split()

Total\_deductions=float(LIC)+float(PF)

Gross\_salary=float(Basic\_salary)+float(DA)

Net\_salary=Gross\_salary-Total\_deductions

empfile.writelines(Emp\_code+" "+Emp\_name+" "+str(Basic\_salary)+" "+str(DA)+" "+str(Gross\_salary)+" "+str(Net\_salary)+" "+str(LIC)+" "+str(PF)+" "+str(Total\_deductions)+"\n")

empfile.close()

print("\nEmployee details Emp\_code, Emp\_name, Basic\_Salary, DA,Gross\_salary, Net\_salary, LIC and PF, Total\_deductions are\n")

with open("emp.txt") as outfile:

for oneline in outfile:

print(oneline)

**Output**

**Input:**

Enter the Emp\_code, Emp\_name, Basic\_Salary, DA, LIC and PF

REVA12 sathish 45000 2500 2500 5000

**Output:**

Employee details Emp\_code, Emp\_name, Basic\_Salary, DA,Gross\_salary, Net\_salary, LIC and PF, Total\_deductions are

Reva11 Malli 40000 4000 44000.0 39000.0 2000 3000 5000.0

REVA12 sathish 45000 2500 47500.0 40000.0 2500 5000 7500.0