Create employee array objects containing employee id,name,designation,salary using json and write a program in python to read and display employee information.

**JSON.py**

import json with open('dbms.json') as f:

data = json.load(f) def main():

def displayAll():

for i in range(len(data["Employee"])):

for j,k in data["Employee"][i].items():

print(j," : ",k) print('\n')

return('Total Number of Records are {}'.format(len(data["Employee"]))) def displayById():

id\_ = int(input('Enter the id')) flag = 0

for i in range(len(data["Employee"])): if data["Employee"][i]["id"] == id\_: flag = 1

for j,k in data["Employee"][i].items(): print(j," : ",k)

print('\n')

return('Record Not Present \n\n ') if flag == 0

else ('Record Present') def insertNewRecord():

global data newRecord = {} listOfIds = [i["id"]

for i in data["Employee"]]

id\_= int(input('Enter the id number\n ')) if id\_ in listOfIds:

return('Id Already Present\n ') else:

newRecord["id"] = id\_

newRecord["name"] = input('Enter the name') newRecord["designation"] = input('Enter the Designation') newRecord["salary"] = int(input('Enter the Salary of the Employee')) newRecord["hobbies"] = input('Enter the hobbies\n').split()

with open('dbms.json','w') as f1: data['Employee'].append(newRecord) json.dump(data,f1,indent=4) return('Record Inserted Successfully\n') boolvalue = True

while boolvalue:

print('1. To display all data') print('2. To display by id') print('3. To insert a new Data') ch = input()

print('\n') switcher = {

"1":displayAll, "2":displayById, "3":insertNewRecord

}

try:

fun = switcher[ch] print(fun())

except TypeError:

print('Enter a valid choice\n ')

choice = input('Do you want to continue Y/N') boolvalue = True if choice in ['y','Y'] else False main()

dbms.json

{

"Employee": [

{

"id": 1,

"name": "vaibhav", "designation": "Developer", "salary": 45000,

"hobbies": [ "playing Cricket", "chess" ]

},

{

"id": 56,

"name": "suyash", "designation": "android dev",

"salary": 56000, "hobbies": [

"cricket,",

"meme" ]

}