**Create employee array objects containing employee id, name, designation, and 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" ]

}