**Interfacing With Python With MySQL Table Employee**

**QUESTION**:

Implement Python MySQL connectivity to perform the following on “employee” table:

1. Add employee records(empcode, empname, dept, designation, salary)

2. Update employee salary and designation

3. Remove employee record of a selected employee.

4. View all employees

5. Check for a specific employee

**CODE**:

import mysql.connector as sql

db = sql.connect(host="localhost", user="root", password="00b", database="amrith")

cursor = db.cursor()

db.autocommit = True

print('What would you like to do?\n1.Add Employee details\n2.Update employee designation and salary\n3.Remove Employee details\n4.View Employee details\n5.Check for a specific employee')

choice = int(input('Enter your choice: '))

if choice == 1:

empcode = int(input('Enter empcode: '))

empname= input('Enter empname: ')

designation = input('Enter designation: ')

dept = input('Enter department: ')

salary = int(input('Enter salary: '))

cursor.execute(f"INSERT INTO employee VALUES('{empcode}', '{empname}', '{dept}','{designation}', '{salary}')")

print('Employee details added successfully')

elif choice == 2:

empcode = int(input('Enter empcode: '))

designation = input('Enter designation: ')

salary = int(input('Enter salary: '))

cursor.execute(f"UPDATE employee SET designation= '{designation}', salary= {salary} WHERE empcode = '{empcode}'")

print('Employee details updated successfully')

elif choice == 3:

empcode = int(input('Enter empcode: '))

cursor.execute(f"DELETE FROM employee WHERE empcode = '{empcode}'")

print('Employee details removed successfully')

elif choice == 4:

cursor.execute('SELECT \* FROM employee')

for i in cursor.fetchall():

print(i)

elif choice == 5:

empcode = int(input('Enter empcode: '))

cursor.execute(f"SELECT \* FROM employee WHERE empcode = '{empcode}'")

print(cursor.fetchone())

else:

print('Invalid choice')

**OUTPUT**:

What would you like to do?

1.Add Employee details

2.Update employee designation and salary

3.Remove Employee details

4.View Employee details

5.Check for a specific employee

Enter your choice: 1

Enter empcode: 1

Enter empname: Amrith

Enter designation: Supervisor

Enter department: Accountancy

Enter salary: 10000

Employee details added successfully

What would you like to do?

1.Add Employee details

2.Update employee designation and salary

3.Remove Employee details

4.View Employee details

5.Check for a specific employee

Enter your choice: 2

Enter empcode: 1

Enter designation: Head

Enter salary: 12000

Employee details updated successfully

What would you like to do?

1.Add Employee details

2.Update employee designation and salary

3.Remove Employee details

4.View Employee details

5.Check for a specific employee

Enter your choice: 3

Enter empcode: 1

Employee details removed successfully

What would you like to do?

1.Add Employee details

2.Update employee designation and salary

3.Remove Employee details

4.View Employee details

5.Check for a specific employee

Enter your choice: 4

(100, 'Joe', 'Accountancy', 'Accountant', 10000)

(101, 'Glen', 'Software', 'Head Programmer', 12000)

(102, 'Allen', 'Accountancy', 'Supervisor', 100000)

(103, 'Josh', 'CS', 'Employee', 11000)

What would you like to do?

1.Add Employee details

2.Update employee designation and salary

3.Remove Employee details

4.View Employee details

5.Check for a specific employee

Enter your choice: 5

Enter empcode: 101

(101, 'Glen', 'Software', 'Head Programmer', 12000)