```
import mysql.connector
from tabulate import tabulate
conn = mysql.connector.connect(
    host="localhost",
    user="root",
    password="root")
cursor = conn.cursor()
cursor.execute("CREATE DATABASE IF NOT EXISTS employee")
print("Database check complete.")
conn.database = "employee"
cursor.execute("""
CREATE TABLE IF NOT EXISTS emp_details (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100),
    age INT,
    salary DECIMAL(10,2),
    job VARCHAR(50))""")
print("Table check complete.")
def insert_employee():
    name = input("Enter Employee Name: ")
    age = int(input("Enter Age: "))
    salary = float(input("Enter Salary: "))
    job = input("Enter Job: ")
    sql = "INSERT INTO emp_details (name, age, salary, job) VALUES (%s, %s,
%s, %s)"
    values = (name, age, salary, job)
    cursor.execute(sql, values)
    conn.commit()
    print("Employee record inserted.")
def update_employee():
    emp_id = int(input("Enter Employee ID to update: "))
    print("Enter new details for this employee:")
    new_name = input("New Name: ")
    new_age = int(input("New Age: "))
    new_salary = float(input("New Salary: "))
    new_job = input("New Job: ")
    sql = "UPDATE emp_details SET name=%s, age=%s, salary=%s, job=%s
WHERE id=%s"
    values = (new_name, new_age, new_salary, new_job, emp_id)
```

```
    cursor.execute(sql, values)
    conn.commit()
    print("Employee record updated successfully.")
def delete_employee():
    emp_id = int(input("Enter Employee ID to delete: "))
    sql = "DELETE FROM emp_details WHERE id = %s"
    values = (emp_id,)
    cursor.execute(sql, values)
    conn.commit()
    print("Employee record deleted.")
def display_employees():
    cursor.execute("SELECT * FROM emp_details")
    records = cursor.fetchall()
    if records:
        headers = ["ID", "Name", "Age", "Salary", "Job"]
        print(tabulate(records, headers, tablefmt="grid"))
    else:
        print("No records found.")
while True:
    print("\nEmployee Management System ")
    print("1. Insert Employee")
    print("2. Update Employee")
    print("3. Delete Employee")
    print("4. Display Employees")
    print("5. Exit")
    choice = input("Enter your choice (1-5): ")
    if choice == "1":
        insert_employee()
    elif choice == "2":
        update_employee()
    elif choice == "3":
        delete_employee()
    elif choice == "4":
        display_employees()
    elif choice == "5":
        print("Exiting program...")
        break
    else:
        print("Invalid choice! Please try again.")
```

```
cursor.close()
conn.close()
```

OUTPUT

```
Database check complete.
Table check complete.

Employee Management System
1. Insert Employee
2. Update Employee
3. Delete Employee
4. Display Employees
5. Exit

Enter your choice (1-5): 1
Enter Employee Name: Rahul
Enter Age: 25
Enter Salary: 45000
Enter Job: Developer
Employee record inserted.

Enter your choice (1-5): 1
Enter Employee Name: Priya
Enter Age: 28
Enter Salary: 52000
Enter Job: Analyst
Employee record inserted.

Enter your choice (1-5): 2
Enter Employee ID to update: 1
Enter new details for this employee:
New Name: Rahul Kumar
New Age: 26
New Salary: 48000
New Job: Senior Developer
Employee record updated successfully.
```

Enter your choice (1-5): 3
Enter Employee ID to delete: 2
Employee record deleted.

Enter your choice (1-5): 4

```
+----+--------------+-------+----------+--------------------+
| ID | Name         | Age   | Salary   | Job                |
+----+--------------+-------+----------+--------------------+
| 1  | Rahul Kumar  | 26    | 48000.00 | Senior Developer   |
+----+--------------+-------+----------+--------------------+
```

Enter your choice (1-5): 5
Exiting program...