

## Report

### Menu item 0:

```
patel2z3@bravo:~/Desktop/DB_LAB5$ gcc Main.c -o Main -l sqlite3
patel2z3@bravo:~/Desktop/DB_LAB5$ ./Main
Connect to database successfully.
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:0
patel2z3@bravo:~/Desktop/DB_LAB5$
```

### Menu item 1:

```
patel2z3@bravo:~/Desktop/DB_LAB5$ ./Main
Connect to database successfully.
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:1
Title = Accounting Manager
Title = Administration Assistant
Title = Administration Vice President
Title = Marketing Manager
Title = Marketing Representative
Title = President
Title = Programmer
Title = Public Accountant
Title = Sales Manager
Title = Sales Representative
Title = Stock Clerk
```

### Menu item 2:

```
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:2
FirstName = Steven
LastName = King
Max(Salary) = 24000
Query Successful

FirstName = Peter
LastName = Vargas
Min(Salary) = 2500
Query Successful
```

### Menu item 3:

```

Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:3
FirstName = Steven
LastName = King
Name = United States of America
FirstName = Neena
LastName = Kochhar
Name = United States of America
FirstName = Lex
LastName = De Haan
Name = United States of America
FirstName = Alexander
LastName = Hunold
Name = United States of America

```

## Menu item 4:

```

Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:4
GradeLevel = E
Salary = 24000
FirstName = Steven
LastName = King
GradeLevel = E
Salary = 17000
FirstName = Neena
LastName = Kochhar
GradeLevel = E
Salary = 17000
FirstName = Lex

```

## Menu item 5:

```

Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:5
FirstName = Michael
Query Successful

```

## Menu item 6:

```
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:6
Id = 1
Title = President
MinSalary = 20000
MaxSalary = 40000
Id = 2
Title = Administration Vice President
MinSalary = 15000
MaxSalary = 30000
Id = 3
Title = Administration Assistant
MinSalary = 3000
```

## Menu item 7:

```
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:7
StartDate = 13-JAN-93
EndDate = 24-JUL-98
DepartmentId = 60
StartDate = 21-SEP-89
EndDate = 27-OCT-93
DepartmentId = 110
StartDate = 28-OCT-93
EndDate = 15-MAR-97
DepartmentId = 110
StartDate = 17-FEB-96
EndDate = 19-DEC-99
DepartmentId = 20
StartDate = 24-MAR-98
```

## Menu item 8:

```
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:8
Email = SKING
Query Successful
```



## Menu item 9:

```
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:9
Salary*CommissionPct = 2100.0
Salary*CommissionPct = 3300.0
Salary*CommissionPct = 2580.0
Salary*CommissionPct = 1050.0
Query Successful
```

## Menu item 10:

```
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:10
HireDate = 17-JUL-1987
Query Successful
```

## Menu item 11:

```
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:11
StreetAddress = 2004 Charade Rd
PostalCode = 98199
City = Seattle
StateProvince = Washington
StreetAddress = 2004 Charade Rd
PostalCode = 98199
City = Seattle
StateProvince = Washington
StreetAddress = 2004 Charade Rd
PostalCode = 98199
City = Seattle
```

## Menu item 12:

```
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:12
Salary = 24000
Query Successful
```

## Menu item 13:

```
Welcome to the EmployeeManagementSystem application:
0) Exit
1) Lists all the job titles/positions available in the company
2) Who is having highest and lowest salary?
3) Which employee is working in which country?
4) Assign grades to each employee like A for employee who makes between 1000 to 2999, B for 3000 to 5999 CAD, etc?
5) Which employee's name starts with a letter M or B etc?
6) Find range of salary for each job title? say for example, president of the company can earn from 20,000 to 40,000 CAD not more than tha
t after all the appraisals
7) Find history about previous employees like hire date, end date, their department etc?
8) what is the email address of an employee?
9) How much commission does an employee get every year?
10) When was an employee hired?
11) Complete address of the department where the employee is currently working?
12) What is the salary of an employee?
13) What is phone number of an Employee?
Enter Input:13
PhoneNumber = 515.123.4567
Query Successful
```