

Lab-8 (LINQ and database connectivity)

1. Write a C# program to select odd and divisible by 3 number from list of number using LINQ query.

```
Microsoft Visual Studio Debug Console

Odd and divisible by 3 numbers:
3
9
```

2. Write a C# program to display Employee records in descending order with respect to employee name using LINQ.

```
Microsoft Visual Studio Debug Console

Employee Records in Descending Order by Name:
ID: 102, Name: Ram, Salary: 3000
ID: 101, Name: Hari, Salary: 2000

D:\BCA\Lab\lab8\lab8\bin\Debug\net8.0\lab8.exe
```

3. Write a C# program to select Students who are lived in Kirtipur and studied in Patan Multiple Campus using LINQ

```
Microsoft Visual Studio Debug Console

Selected Students who lived in Kirtipur and studied in Patan Multiple Campus:
Name: John, Address: Kirtipur, College: Patan Multiple Campus

D:\BCA\Lab\lab8\lab8\bin\Debug\net8.0\lab8.exe (process 2004) exited with code
```

4. Write a C# program to implement all LINQ aggregation operator.

```
Microsoft Visual Studio Debug Console

Enter the number of elements in the list: 5
Enter element 1: 2
Enter element 2: 3
Enter element 3: 4
Enter element 4: 5
Enter element 5: 6
Count: 5
Sum: 20
Min: 2
Max: 6
Average: 4
Product: 720
```

5. Write a C# program to connect to the database and insert 3 Customer records and delete the Customer record from Bank database whose Deposit amount is less than 500.

(Database: Bank Table: Customer (Account no, Name, Address, Deposit_Amount))

```
Microsoft Visual Studio Debug Console

Customer Record-1
101
Ram
kathmandu
3000
Customer Record-2
102
Hari
lalitpur
4000
Customer Record-3
103
Shyam
bhaktapur
400
Brow is inserted

D:\BCA\Lab\databaseApp\database
```

Display:

```
Microsoft Visual Studio Debug Console

Id      Name      Address      Deposit
101     Ram      kathmandu     3000
102     Hari     lalitpur      4000
103     Shyam    bhaktapur      400

D:\BCA\Lab\databaseApp\databaseApp\bin\Debug
```

Delete:

```
Microsoft Visual Studio Debug Console

Data deleted

D:\BCA\Lab\databaseApp\dat
```

```
Microsoft Visual Studio Debug Console

Id      Name      Address      Deposit
101     Ram      kathmandu     3000
102     Hari     lalitpur      4000

D:\BCA\Lab\databaseApp\databaseApp\bin\Debug
```

6. Write a C# program to connect the database and display customer information and update customer Address Kathmandu whose Account number is 1234.

```
Microsoft Visual Studio Debug Console

Id      Name      Address      Deposit
101     Ram      kathmandu     3000
102     Hari     lalitpur      4000

D:\BCA\Lab\databaseApp\databaseApp\bin\Debug
```

```
Microsoft Visual Studio Debug Console

Data updated

D:\BCA\Lab\databaseApp\
```

```
Microsoft Visual Studio Debug Console

Id      Name      Address      Deposit
101     Ram      kathmandu     3000
102     Hari     lalitpur      4000
1234     Ramesh    Kathmandu     45000

D:\BCA\Lab\databaseApp\databaseApp\bin\De
```

Html Server Control

Lab-8 (LINQ and database connectivity)

html server control

https://localhost:44

The simple Intrest= 500

Html server Control

principle:

Rate:

Time:

localhost:44332/WebForm1.aspx x +

https://localhost:44332/WebForm1.a

Web server control example

Principle

Rate

Time

localhost:44332/WebForm2.aspx x +

https://localhost:44332/WebForm2.aspx?

Simple Intrest= 750

Form Validation:

localhost:44394/WebForm1

https://localhost:44394/W

Validation From Example

Name:
 name field is require

Password
 Password is required

Repassword
 Retype Password

age

Mobile
 Mobile field is required

- name field is require
- Password is required
- Retype Password
- Mobile field is required