## 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:
9
```

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

```
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

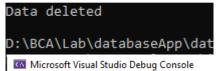
```
Customer Record-1
191
Ram
kathmandu
3000
Customer Record-2
102
Hari
lalitpur
4000
Customer Record-3
103
Shyam
bhaktapur
400
3row is inserted
D:\BCA\Lab\databaseApp\database
```

## Display:

2 is piuj ·						
Microsoft Visual Studio Debug Console						
Id	Name	Address	Deposit			
101	Ram	kathmandu	3000			
102	Hari	lalitpur	4000			
103	Shyam	bhaktapur	400			
D:\BC	A\Lab\data	abaseApp\databa	aseApp\bin\Deb			
Dalat			•			

## Delete:

Microsoft Visual Studio Debug Co



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:\BC	A\Lab\data	abaseApp\databa	aseApp\bin\Debug

Microsoft Visual Studio Debu

Data updated D:\BCA\Lab\databaseApp

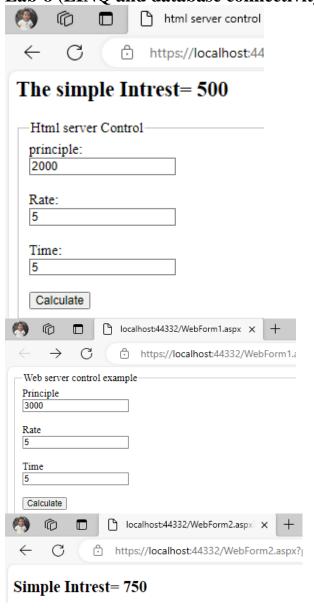
Microsoft Visual Studio Debug Console

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** 

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Form Validation:

