Lab-5 (Concept of Abstract class, method and inheritance)

1. Write a C# program to illustrate the concept of abstract class and method.

```
C:\Windows\system32\cmd.exe

This is a shape.
Area of Rectangle: 35
This is a shape.
Area of Square: 16
 Press any key to continue . . .
```

2. Write a C# program to implement concept of following type of inheritance

a. Single-level inheritance

b. Multi-level inheritance

c. Hierarchical inheritance

d. Multiple inheritance using interface

```
C:\Windows\system32\cmd.exe

Eating...
Barking...

Eating...
Flying...
Chirping...

Eating...
Meowing...

Duck running...
Duck swimming...
Press any key to continue . .
```

3. Write a C# program to create property and indexer.

```
C:\Windows\system32\cmd.exe

Value at index 0: Value 1
Value at index 1: Value 2
Value at index 2: Value 3
Value at index 3:
 Press any key to continue . .
```