```
C:\Users\Prashant  Mishra\OneDrive\Desktop\MobDev\LAB\LAB1>javac Q1.java

C:\Users\Prashant  Mishra\OneDrive\Desktop\MobDev\LAB\LAB1>java Q1
Enter length of Box 1 : 5
Enter breadth of Box 1 : 4
Area of Box 1 : 20

Enter length of Box 2 : 3
Enter breadth of Box 2 : 4
Area of Box 2 : 12

Enter length of Box 3 : 6
Enter breadth of Box 3 : 9
Area of Box 3 : 54

Enter length of Box 4 : 8
Enter breadth of Box 4 : 8
Area of Box 4 : 64

Enter length of Box 5 : 7
Enter breadth of Box 5 : 6
Area of Box 5 : 42
```

```
C:\Users\Prashant  Mishra\OneDrive\Desktop\MobDev\LAB\LAB1>javac Q2.java

C:\Users\Prashant  Mishra\OneDrive\Desktop\MobDev\LAB\LAB1>java Q2
Sum using default constructor : 0
Sum using overloaded constructor 1 : 2
Sum using overloaded constructor 2 : 10
Sum using overloaded constructor 3 : 30
```

```
C:\Users\Prashant  Mishra\OneDrive\Desktop\MobDev\LAB\LAB1>javac Q3.java

C:\Users\Prashant  Mishra\OneDrive\Desktop\MobDev\LAB\LAB1>java Q3
Enter length of Box 1 : 2
Enter breadth of Box 1 : 4
Enter length of Box 2 : 6
Enter breadth of Box 2 : 5
Enter length of Box 3 : 7
Enter breadth of Box 3 : 6
Enter length of Box 4 : 2
Enter breadth of Box 4 : 4
Enter length of Box 5 : 5
Enter breadth of Box 5 : 7
Area of Box 1 : 8

Area of Box 2 : 30

Area of Box 3 : 42

Area of Box 4 : 8

Area of Box 5 : 35
```

```
C:\Users\Prashant  Mishra\OneDrive\Desktop\MobDev\LAB\LAB1>javac Q4.java

C:\Users\Prashant  Mishra\OneDrive\Desktop\MobDev\LAB\LAB1>java Q4
Elements in the ArrayList : 2
Element at index 0 : AI
Element at index 1 : DBMS
Elements in the ArrayList : 0
Elements in the ArrayList : 2
Element at index 0 : Java
Element at index 1 : ML
Is the ArrayList is Empty : false
```