Lab week-5 Solution

Ex1 Solution:-

```
public class Rectangle {

    public double length;
    public double width;
    public double area;
    public double perimeter;

}
```

```
import java.util.Scanner;
public class test {

    public static void main(String[] args) {
        Scanner reader = new Scanner(System.in);
        Rectangle rec = new Rectangle();

        System.out.print("Enter length: ");
        rec.length = reader.nextDouble();
        System.out.print("Enter width: ");
        rec.width = reader.nextDouble();

        rec.area = rec.width * rec.length;
        rec.perimeter = ( rec.length + rec.width ) * 2;

        System.out.println("the area is "+rec.area);
        System.out.println("the perimeter is "+rec.perimeter);
    }

}
```

Ex2 Solution:-

```java
public class Employee {
    public String name;
    public int age;
    public int yearsOfService;
    public float Salary;

}
```

```java
import java.util.Scanner;
public class test {

    public static void main(String[] args) {
        Employee e1 = new Employee();
        Employee e2 = new Employee();
        Employee e3 = new Employee();
        Scanner r = new Scanner(System.in);

        System.out.println("Enter name, age, Yearsofservice, Salary of 1st Employee");
        e1.name = r.next();
        e1.age = r.nextInt();
        e1.yearsOfService = r.nextInt();
        e1.Salary = r.nextFloat();

        System.out.println("Enter name, age, Yearsofservice, Salary of 2nd Employee");
        e2.name = r.next();
        e2.age = r.nextInt();
        e2.yearsOfService = r.nextInt();
        e2.Salary = r.nextFloat();

        System.out.println("Enter name, age, Yearsofservice, Salary of 3rd Employee");
        e3.name = r.next();
        e3.age = r.nextInt();
        e3.yearsOfService = r.nextInt();
        e3.Salary = r.nextFloat();

        float average=(e3.Salary+e2.Salary+e1.Salary)/3;

        System.out.println("the average salary is: "+ average);
    }
```

Ex3 Solution:-

```
public class Electricity_bill {

    public int accountNumber;
    public float kiloWattHours;
    public float CostOfElectricity;

}
```

```
import java.util.Scanner;

public class test {

    public static void main(String[] args) {

        Scanner reader = new Scanner(System.in);
        Electricity_bill eb = new Electricity_bill();

        System.out.println("Enter Account number: ");
        eb.accountNumber = reader.nextInt();

        System.out.println("Enter kilo-watt hours used: ");
        eb.kiloWattHours = reader.nextFloat();

        eb.CostOfElectricity = eb.kiloWattHours * 0.59f ;

        System.out.println("the Account number is : "+eb.accountNumber);
        System.out.println("the cost of the bill is :"+eb.CostOfElectricity+" dollars");

    }

}
```