**Practical 03**

1) package com.mycompany.encapsulate;

public class Employee {

private String Name;

private int Age;

private double Salary;

//getters

public String getName()

{

return Name;

}

public int getAge()

{

return Age;

}

public double getSalary()

{

return Salary;

}

//setters

public void setName(String name)

{

this.Name = Name;

}

public void setAge(int age)

{

this.Age=Age;

}

public void setSalary(double Salary)

{

this.Salary=Salary;

}

}

**Main Method**

package com.mycompany.encapsulate;

public class Encapsulate {

public static void main(String[] args) {

//create an instance of employee

Employee emp = new Employee();

//set values using setters

emp.setName("perera");

emp.setAge(35);

emp.setSalary(60000.00);

//get and display values using getters

System.out.println("Name: " +emp.getName());

System.out.println("Age is "+emp.getAge());

System.out.println("Salary is "+emp.getSalary());

}

Using Constructor

package com.mycompany.encapsulate;

public class Employee {

private String Name;

private int Age;

private double Salary;

//constructor

public Employee(String Name, int Age, double Salary)

{

this.Name=Name;

this.Age = Age;

this.Salary= Salary;

}

//getters

public String getName()

{

return Name;

}

public int getAge()

{

return Age;

}

public double getSalary()

{

return Salary;

}

}

**Main method**

package com.mycompany.encapsulate;

public class Encapsulate {

public static void main(String[] args) {

//create an instance of employee

Employee emp = new Employee("perera",35,60000.00);

//get and display values using getters

System.out.println("Name: " +emp.getName());

System.out.println("Age is "+emp.getAge());

System.out.println("Salary is "+emp.getSalary());

}

}

3) package com.mycompany.encapsulate;

public class Employee {

private String Name;

private double BasicSalary;

private double Bonus;

//Constructor

public Employee(String Name, double BasicSalary,double Bonus)

{

this.Name=Name;

this.BasicSalary=BasicSalary;

this.Bonus= Bonus;

}

//getter and setter

public String getName()

{

return Name;

}

public void setName(String name)

{

this.Name=Name;

}

public double getBasicSalary()

{

return BasicSalary;

}

public void setName(double BasicSalary)

{

this.BasicSalary=BasicSalary;

}

public double getBonus()

{

return Bonus;

}

//Method to calculate bonus amount

public double calculateBonusAmount()

{

return BasicSalary + Bonus;

}

}

**Main Method**

package com.mycompany.encapsulate;

public class Encapsulate {

public static void main(String[] args) {

//create an instance of employee

Employee emp = new Employee("Bogdan",5000,10000);

//get and display values using getters

System.out.println("Employee Name: " +emp.getName());

System.out.println("Basic Salary: "+emp.getBasicSalary());

System.out.println("Bonus "+emp.getBonus());

System.out.println("Bonus Amount: "+emp.calculateBonusAmount());

}

}