**Exercise 1:**

**public** **class** Exercise1 {

**private** String model;

**private** **int** year;

**private** String color;

**private** **int** numberofcolorchanges;

**private** **int** counter;

**public** String getModel() {

**return** model;

}

**public** **void** setModel(String model) {

**this**.model = model;

}

**public** **int** getYear() {

**return** year;

}

**public** **void** setYear(**int** year) {

**this**.year = year;

}

**public** String getColor() {

**return** color;

}

**public** **void** setColor(String color) {

**this**.color = color;

counter++;

}

**public** **int** getNumberofcolorchanges() {

numberofcolorchanges=counter;

**return** numberofcolorchanges;

}

**public** **static** **void** main(String[] args)

{

Exercise1 car=**new** Exercise1();

car.setModel("1996");

car.setYear(1994);

car.setColor("green");

car.setColor("yellow");

car.setColor("blue");

System.*out*.println( car.getNumberofcolorchanges());

}

Exercise: 2

**import** java.util.\*;

**public** **class** Employee {

**private** String FirstName;

**private** String LastName;

**private** **double** monthlysalary;

**public** String getFirstName() {

**return** FirstName;

}

**public** **void** setFirstName(String firstName) {

FirstName = firstName;

}

**public** String getLastName() {

**return** LastName;

}

**public** **void** setLastName(String lastName) {

LastName = lastName;

}

**public** **double** getMonthlysalary() {

**return** monthlysalary;

}

**public** **void** setMonthlysalary(**double** m) {

**if**(m<0)

{

monthlysalary=0;

}

**else**

{

monthlysalary=m;

}

}

**public** **static** **void** main(String[] args)

{

Scanner s = **new** Scanner(System.*in*);

System.*out*.println("Enter the first name:");

String fname=s.next();

System.*out*.println("Enter the last name:");

String lname=s.next();

System.*out*.println("Enter the salary");

**double** sal =s.nextDouble();

Employee e = **new** Employee();

e.setFirstName(fname);

e.setLastName(lname);

e.setMonthlysalary(sal);

System.*out*.println("the yearly salary of"+e.getFirstName()+""+e.getLastName()+":");

System.*out*.println(e.getMonthlysalary()\*12);

**double**

newsalary= e.getMonthlysalary()\*0.1+e.getMonthlysalary();

e.setMonthlysalary(newsalary);

System.*out*.println( "the new yearly salary of " + e.getFirstName() + " " +e.getLastName() + " :" );

System.*out*.println(e.getMonthlysalary()\*12);

}

}

Exercise3:

**import** java.util.\*;

**public** **class** Employee {

**private** **int** Employeeid;

**private** **int** salary;

**private** **int** basic;

**private** **int** hra;

**private** **int** TA;

**public** **int** getBasic() {

**return** basic;

}

**public** **void** setBasic(**int** basic) {

**this**.basic = basic;

}

**public** **int** getHra() {

**return** hra;

}

**public** **void** setHra(**int** hra) {

**this**.hra = hra;

}

**public** **int** getTA() {

**return** TA;

}

**public** **void** setTA(**int** tA) {

TA = tA;

}

**public** **int** getEmployeeid() {

**return** Employeeid;

}

**public** **void** setEmployeeid(**int** employeeid) {

Employeeid = employeeid;

}

**public** **int** getSalary() {

**return** salary;

}

**public** **void** setSalary(**int** salary) {

**this**.salary = salary;

}

**public** **void** totalSalary()

{

salary=getBasic()+getHra()+getTA();

System.*out*.println(salary);

}

**public** **static** **void** main(String[] args)

{

Scanner s = **new** Scanner(System.*in*);

Employee e = **new** Employee();

Employee e1=**new** Employee();

System.*out*.println("Enter the employee id");

e.setEmployeeid(s.nextInt());

System.*out*.println("Enter the Second employee id ");

e1.setEmployeeid(s.nextInt());

System.*out*.println("Enter the Employee1 basic");

e.setBasic(s.nextInt());

System.*out*.println("Enter the Employee2 basic");

e1.setBasic(s.nextInt());

System.*out*.println("Enter the Employee1 HRA");

e.setHra(s.nextInt());

System.*out*.println("Enter the Employee2 HRA");

e1.setHra(s.nextInt());

System.*out*.println("Enter the Employee1 Travelling allowence");

e.setTA(s.nextInt());

System.*out*.println("Enter the Employee2 Travelling allowence");

e.setTA(s.nextInt());

System.*out*.println("The Employee1 id is ");

System.*out*.println(e.getEmployeeid());

System.*out*.println("The Employee1 Total Salary is ");

e.totalSalary();

System.*out*.println("The Employee1 id is ");

System.*out*.println(e.getEmployeeid());

System.*out*.println("The Employee2 Total Salary is ");

e1.totalSalary();

}

}