**1.Online Shopping System**

public class Product {

int productId;

String productName;

double Price;

int Quantity;

public int getProductId() {

return productId;

}

public void setProductId(int productid) {

productId = productid;

}

public String getProductName() {

return productName;

}

public void setProductName(String productname) {

productName = productname;

}

public double getPrice() {

return Price;

}

public void setPrice(double price) {

Price = price;

}

public int getQuantity() {

return Quantity;

}

public void setQuantity(int quantity) {

Quantity = quantity;

}

}

…………………………………………………………………………………………………………………………

public class ShoppingCart {

public static void main(String[] args) {

Product prod1 = new Product();

Product prod2 = new Product();

prod1.setProductId(111);

prod1.setProductName("Deep");

prod1.setPrice(223.22);

prod1.setQuantity(123);

prod2.setProductId(222);

prod2.setProductName("Deepak");

prod2.setPrice(223.33);

prod2.setQuantity(124);

prod1.setQuantity(125);

System.*out*.println("ProductDetails 1");

System.*out*.println("ProductId :" + prod1.getProductId());

System.*out*.println("ProductName : " + prod1.getProductName());

System.*out*.println("ProductPrice : " + prod1.getPrice());

System.*out*.println("ProductQuantity : " + prod1.getQuantity());

System.*out*.println("---------------------------------------------------");

System.*out*.println("ProductDetails 2");

System.*out*.println("ProductId :" + prod1.getProductId());

System.*out*.println("ProductName : " + prod1.getProductName());

System.*out*.println("ProductPrice : " + prod1.getPrice());

System.*out*.println("ProductQuantity : " + prod1.getQuantity());

}

}

**2.Bank Account Management**

public class BankAccount {

long accountNumber;

String accountHolderName;

double balance;

public long getAccountNumber() {

return accountNumber;

}

public void setAccountNumber(long Number) {

accountNumber = Number;

}

public String getAccountHolderName() {

return accountHolderName;

}

public void setAccountHolderName(String HolderName) {

accountHolderName = HolderName;

}

public double getBalance() {

return balance;

}

public void setBalance(double Balance) {

balance = Balance;

}

}

…………………………………………………………………………………………………………………………

public class BankApplication {

public static void main(String[] args) {

BankAccount bank = new BankAccount();

bank.setAccountNumber(55454543);

bank.setAccountHolderName("Dee");

bank.setBalance(4357257.33);

System.*out*.println("Account Number : " + bank.getAccountNumber());

System.*out*.println("Account Holder Name :" + bank.getAccountHolderName());

System.*out*.println("Account Balance :" + bank.getBalance());

bank.setBalance(3243378.44);

System.*out*.println("-------------------------------------------------");

System.*out*.println("After Updating Balance");

System.*out*.println("Account Number : " + bank.getAccountNumber());

System.*out*.println("Account Holder Name :" + bank.getAccountHolderName());

System.*out*.println("Account Balance :" + bank.getBalance());

}

}

**3.Employee Salary Calculation**

public class Employee {

int employeeId;

String employeeName;

double salary;

public int getEmployeeId() {

return employeeId;

}

public void setEmployeeId(int Id) {

employeeId = Id;

}

public String getEmployeeName() {

return employeeName;

}

public void setEmployeeName(String Name) {

employeeName = Name;

}

public double getSalary() {

return salary;

}

public void setSalary(double Salary) {

salary = Salary;

}

}

…………………………………………………………………………………………………………………………

public class PayrollSystem {

public static void main(String[] args) {

Employee emp = new Employee();

emp.setEmployeeId(1234);

emp.setEmployeeName("D");;

emp.setSalary(333243.66);

System.*out*.println("EMPLOYEE DETAILS");

System.*out*.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.*out*.println("Employee ID :" + emp.getEmployeeId());

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

System.*out*.println("Employee Sal : " + emp.getSalary());

emp.setSalary(555555.55);

System.*out*.println("----------------------------------------------");

System.*out*.println("EMPLOYEE DETAILS AFTER UPDATING SALARY");

System.*out*.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.*out*.println("Employee ID :" + emp.getEmployeeId());

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

System.*out*.println("Employee Sal : " + emp.getSalary());

}

}

**4.Library Book Management**

public class Book {

int bookId;

String title;

String author;

double price;

public int getBookId() {

return bookId;

}

public void setBookId(int Id) {

bookId = Id;

}

public String getTitle() {

return title;

}

public void setTitle(String title) {

this.title = title;

}

public String getAuthor() {

return author;

}

public void setAuthor(String Author) {

author = Author;

}

public double getPrice() {

return price;

}

public void setPrice(double Price) {

price = Price;

}

}

…………………………………………………………………………………………………………………………

public class Library {

public static void main(String[] args) {

Book b = new Book();

Book b1 = new Book();

b.setBookId(123);

b.setTitle("Harry Potter");

b.setAuthor("J K Rowlling");

b.setPrice(22455);

System.*out*.println("Book1 Id : " + b.getBookId());

System.*out*.println("Book1 Title : " + b.getTitle());

System.*out*.println("Book1 Author :" + b.getAuthor());

System.*out*.println("Book1 Price :" + b.getPrice());

System.*out*.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

b1.setBookId(124);

b1.setTitle("Solo Leveling");

b1.setAuthor("Chugong");

b1.setPrice(33345);

System.*out*.println("Book2 Id : " + b1.getBookId());

System.*out*.println("Book2 Title : " + b1.getTitle());

System.*out*.println("Book2 Author :" + b1.getAuthor());

System.*out*.println("Book2 Price :" + b1.getPrice());

}

}

**5.Car Rental System**

public class Car {

int carId;

String brand;

String model;

double rentalPricePerDay;

public int getCarId() {

return carId;

}

public void setCarId(int Id) {

carId = Id;

}

public String getBrand() {

return brand;

}

public void setBrand(String Brand) {

brand = Brand;

}

public String getModel() {

return model;

}

public void setModel(String Model) {

model = Model;

}

public double getRentalPricePerDay() {

return rentalPricePerDay;

}

public void setRentalPricePerDay(double PricePerDay) {

rentalPricePerDay = PricePerDay;

}

}

…………………………………………………………………………………………………………………………

public class CarRentalService {

public static void main(String[] args) {

Car c = new Car();

Car cc = new Car();

c.setCarId(111);

c.setBrand("Mercedes");

c.setModel("G Class");

c.setRentalPricePerDay(333333);

cc.setCarId(222);

cc.setBrand("Audi");

cc.setModel("PB18 E-Tron");

cc.setRentalPricePerDay(443333);

System.*out*.println("Car Id : " + c.getCarId());

System.*out*.println("Car Brand : " + c.getBrand());

System.*out*.println("Car Model :" + c.getModel());

System.*out*.println("Car Rental Price Per Day :" + c.getRentalPricePerDay());

System.*out*.println("--------------------------------------------------------");

System.*out*.println("Car Id : " + cc.getCarId());

System.*out*.println("Car Brand : " + cc.getBrand());

System.*out*.println("Car Model :" + cc.getModel());

System.*out*.println("Car Rental Price Per Day :" + cc.getRentalPricePerDay());

}

}