

## 1)Online Shopping System:

### (BLC)

```
public class Online {
    int productId;
    String productName;
    double price;
    int quantity;
    public int getproductId(){
        return productId;
    }
    public String getproductName(){
        return productName;
    }
    public double getprice(){
        return price;
    }
    public int getquantity(){
        return quantity;
    }
    public void setproductId(int id){
        productId=id;
    }
    public void setproductName(String name){
        productName=name;
    }
    public void setprice(double p){
        price=p;
    }
    public void setquantity(int q){
        quantity=q;
    }
}
```

### (ELC)

```
public class ShoppingCart {
    public static void main(String args[]){
        Online product1=new Online();
        Online product2=new Online();
        product1.setproductId(5);
        product1.setproductName("watch");
        product1.setprice(15000);
        product1.setquantity(50);

        System.out.println("productId:"+product1.getproductId());
        System.out.println("productname:"+product1.getproductName());
        System.out.println("price:"+product1.getprice());
        System.out.println("quantity:"+product1.getquantity());

        product2.setproductId(32);
        product2.setproductName("iPhone");
    }
}
```

```

        product2.setprice(50000);
        product2.setquantity(100);

        System.out.println("-----");
        System.out.println("productId:"+product2.getproductId());
        System.out.println("productName:"+product2.getproductName());
        System.out.println("price:"+product2.getprice());
        System.out.println("quantity:"+product2.getquantity());
    }
}

```

## 2)Bank Account Management:

### (BLC)

```

public class Bank {
    long accountNumber;
    String accountHolderName;
    double balance;
    public long getAccountNumber(){
        return accountNumber;
    }
    public String getAccountHolderName(){
        return accountHolderName;
    }
    public double getBalance(){
        return balance;
    }
    public void setAccountNumber(long num){
        accountNumber=num;
    }
    public void setAccountHolderName(String name){
        accountHolderName=name;
    }
    public void setBalance(double bal){
        balance=bal;
    }
}

```

### (ELC)

```

public class BankApplication{
    public static void main(String args[]){
        Bank BankAccount=new Bank();
        BankAccount.setAccountNumber(3456);
        BankAccount.setAccountHolderName("Indu");
        BankAccount.setBalance(3000);

        System.out.println("AccountNumber:"+BankAccount.getAccountNumber());
        System.out.println("AccountHolderName:"+BankAccount.getAccountHolderName());
        System.out.println("Balance:"+BankAccount.getBalance());
    }
}

```

```
}
```

### 3)Employee Salary Calculation:

#### (BLC)

```
public class Employee3 {
    int employeeId;
    String employeeName;
    double salary;
    public int getemployeeId(){
        return employeeId;
    }
    public String getemployeeName(){
        return employeeName;
    }
    public double getsalary(){
        return salary;
    }
    public void setemployeeId(int id){
        employeeId=id;
    }
    public void setemployeeName(String name){
        employeeName=name;
    }
    public void setsalary(double sal){
        salary=sal;
    }
}
```

#### (ELC)

```
public class PayrollSystem {
    public static void main(String args[]){
        Employee3 emp=new Employee3();
        emp.setemployeeId(10);
        emp.setemployeeName("Indu");
        emp.setsalary(25000);
        System.out.println("employeeId:"+emp.getemployeeId());
        System.out.println("employeeName:"+emp.getemployeeName());
        System.out.println("salary:"+emp.getsalary());
    }
}
```

### 4)Library Book Management:

#### (BLC)

```
public class Book2 {
    int bookId;
    String title;
    String author;
```

```

double price;
public int getbookId(){
    return bookId;
}
public String gettitle(){
    return title;
}
public String getauthor(){
    return author;
}
public double getprice(){
    return price;
}
public void setbookId(int id){
    bookId=id;
}
public void setttitle(String tit){
    title=tit;;
}
public void setauthor(String au){
    author=au;
}
public void setprice(double p){
    price=p;
}
}

```

### (ELC)

```

public class Library2 {
    public static void main(String args[]){
        Book2 b1=new Book2();
        Book2 b2=new Book2();
        b1.setbookId(101);
        b1.settitle("The Alchemist");
        b1.setauthor("Paulo Coelho");
        b1.setprice(399);

        System.out.println("bookId:"+b1.getbookId());
        System.out.println("author:"+b1.getauthor());
        System.out.println("title:"+b1.gettitle());
        System.out.println("price:"+b1.getprice());

        b2.setbookId(102);
        b2.settitle("To kill a mockingbird");
        b2.setauthor("Harper lee");
        b2.setprice(499);

        System.out.println("-----");
        System.out.println("bookId:"+b2.getbookId());
        System.out.println("author:"+b2.getauthor());
        System.out.println("title:"+b2.gettitle());
    }
}

```

```

        System.out.println("price:"+b2.getprice());
    }
}

```

## 5)Car Rental System:

### (BLC)

```

public class Car4 {
    int carId;
    String brand;
    String model;
    double rentalPricePerDay;

    public int getCarId() {
        return carId;
    }
    public String getBrand() {
        return brand;
    }
    public String getModel() {
        return model;
    }
    public double getRentalPricePerDay() {
        return rentalPricePerDay;
    }
    public void setCarId(int id) {
        carId = id;
    }
    public void setBrand(String br) {
        brand = br;
    }
    public void setModel(String mod) {
        model = mod;
    }
    public void setRentalPricePerDay(double perDay) {
        rentalPricePerDay = perDay;
    }
}

```

### (ELC)

```

public class CarRentalServices {
    public static void main(String[] args) {
        Car4 Car1 = new Car4();
        Car4 Car2 = new Car4();
        Car1.setCarId(565);
        Car1.setModel("Corolla");
        Car1.setBrand("Toyota");
        Car1.setRentalPricePerDay(1500);
    }
}

```

```
System.out.println("CarId:"+Car1.getCarId());
System.out.println("Model:"+Car1.getModel());
System.out.println("Brand:"+Car1.getBrand());
System.out.println("RentalPricePerDay:"+Car1.getRentalPricePerDay());

Car2.setCarId(890);
Car2.setModel("Aspire");
Car2.setBrand("Ford");
Car2.setRentalPricePerDay(1550);

System.out.println("-----");
System.out.println("CarId:"+Car2.getCarId());
System.out.println("Model:"+Car2.getModel());
System.out.println("Brand:"+Car2.getBrand());
System.out.println("RentalPricePerDay:"+Car2.getRentalPricePerDay());

}
}
```