**Requiremet 1**

class Movie {

String movie\_name, language, genere, rating;

public Movie(String movie\_name, String language, String genere, String rating) {

this.movie\_name = movie\_name;

this.language = language;

this.genere = genere;

this.rating = rating;

}

void displayMovieInfo() {

System.out.println("Movie: " + movie\_name);

System.out.println("Language: " + language);

System.out.println("Genre: " + genere);

System.out.println("Rating: " + rating);

}

}

class NowShowing extends Movie {

String showTime;

public NowShowing(String movie\_name, String language, String genere, String rating, String showTime) {

super(movie\_name, language, genere, rating);

this.showTime = showTime;

}

void displayMovieInfo() {

System.out.println("NowShowing");

System.out.println("Movies in Theatre ");

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

System.out.println("Movie: " + movie\_name);

System.out.println("Language: " + language);

System.out.println("Genre: " + genere);

System.out.println("Rating: " + rating);

System.out.println("Show Time: " + showTime);

}

}

class ComingSoon extends Movie {

String releaseDate;

public ComingSoon(String movie\_name, String language, String genere, String rating, String releaseDate) {

super(movie\_name, language, genere, rating);

this.releaseDate = releaseDate;

}

void displayMovieInfo() {

System.out.println("ComingSoon ");

System.out.println("Upcoming Movies ");

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

System.out.println("Movie: " + movie\_name);

System.out.println("Language: " + language);

System.out.println("Genre: " + genere);

System.out.println("Rating: " + rating);

System.out.println("Release Date: " + releaseDate);

}

}

public class Requirement1 {

public static void main(String[] args) {

NowShowing n = new NowShowing("KGF", "Kannada", "Action", " 4.9/5 ", " 10:00AM ");

n.displayMovieInfo();

System.out.println();

ComingSoon m = new ComingSoon("Fantasic4", "English", "Action", "NA", "25-July-2025");

m.displayMovieInfo();

}

}

**Output:**



**Requirement 2**

class ShoppingCart {

    String name;

    int quantity;

    double total, price;

    public ShoppingCart(String name, int quantity, double total, double price) {

        this.name = name;

        this.quantity = quantity;

        this.total = total;

        this.price = price \* quantity;

    }

    public ShoppingCart(String name) {

        this.name = name;

    }

    public ShoppingCart(String name, int quantity) {

        this.name = name;

        this.quantity = quantity;

    }

    public void displayItems() {

        System.out.println("ElectronicProducts ");

        System.out.println("Product: " + name);

        System.out.println("Quantity: " + quantity);

        System.out.println("Price: " + price);

        System.out.println("Total:  " + total);

    }

}

class ElectronicProducts extends ShoppingCart {

    String warrenty;

    ElectronicProducts(String name, int quantity, double total, double price, String warrenty) {

        super(name, quantity, total, price);

        this.warrenty = warrenty;

    }

    ElectronicProducts(String name, int quantity, String warrenty) {

        super(name, quantity);

        this.warrenty = warrenty;

        System.out.println("ElectronicProduct ");

        System.out.println("Product: " + name);

        System.out.println("Quantity: " + quantity);

        System.out.println("Warranty: " + warrenty);

    }

    public void displayItems() {

        System.out.println("ElectronicProducts ");

        System.out.println("Product: " + name);

        System.out.println("Quantity: " + quantity);

        System.out.println("Price: " + price);

        System.out.println("Total:  " + total);

        System.out.println("Warranty: " + warrenty);

    }

}

class ClothProducts extends ShoppingCart {

    String size;

    public ClothProducts(String name, int quantity, double total, double price, String size) {

        super(name, quantity, total, price);

        this.size = size;

    }

    public ClothProducts(String name, String size) {

        super(name);

        this.size = size;

        System.out.println("ClothProduct");

        System.out.println("Product: " + name);

        System.out.println("Size: " + size);

    }

    public void displayItems() {

        System.out.println("ClothProduct ");

        System.out.println("Product: " + name);

        System.out.println("Quantity: " + quantity);

        System.out.println("Price: " + price);

        System.out.println("Total:  " + total);

        System.out.println("Size: " + size);

    }

}

public class Requirement2 {

    public static void main(String[] args) {

        ElectronicProducts e = new ElectronicProducts("iPhone ", 1, 15000, 15000, "4 years");

        e.displayItems();

        System.out.println();

        ClothProducts c = new ClothProducts("shirt", 2, 1000, 2000, "Medium");

        c.displayItems();

        System.out.println();

        ElectronicProducts e1 = new ElectronicProducts("Headphones ", 3, "1 year");

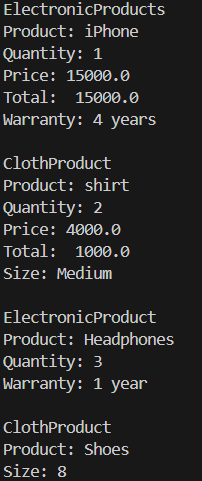
        System.out.println();

        ClothProducts c1 = new ClothProducts("Shoes", "8");

    }

}

**Output:**

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