```java
/**
 * AushadiPasal.java
 *
 * Simple inventory system for a medicine store in Dharan.
 *
 *
 * code by  Pawan Poudel
 *   submiting on November 21, 2025
 */

public class AushadiPasal {

    public static void main(String[] args) {

        // Medicine 1
        String medEng1 = "Aspirin";
        String medNep1 = "एस्पिरिन";
        double price1 = 10.12;
        int qty1 = 200;
        boolean pres1 = false;

        // Medicine 2
        String medEng2 = "Amoxicillin";
        String medNep2 = "एमोक्सिसिलिन";
        double price2 = 6.75;
        int qty2 = 400;
        boolean pres2 = false;

        // Medicine 3
        String medEng3 = "Atorvastatin";
        String medNep3 = "एटोरभास्टाटिन";
        double price3 = 2.99;
        int qty3 = 500;
        boolean pres3 = true;

        // Medicine 4
        String medEng4 = "Gabapentin";
        String medNep4 = "गाबापेन्टिन";
        double price4 = 8.67;
        int qty4 = 100;
        boolean pres4 = false;
```

```
        // Medicine 5
        String medEng5 = "Lignocaine";
        String medNep5 = "लिग्नोकाइन";
        double price5 = 40.00;
        int qty5 = 240;
        boolean pres5 = true;

        // Medicine 6
        String medEng6 = "Metformin";
        String medNep6 = "मेटफर्मिन";
        double price6 = 5.59;
        int qty6 = 457;
        boolean pres6 = true;

        // displayig the layout of the inventory report

System.out.println("================================================================
========");
        System.out.println("                          Dharan Medical Store");

System.out.println("================================================================
========");
        System.out.println("                      Aushadi Pasal Inventory
Report");
        System.out.println("----------------------------------------------------------
----------------");

        System.out.printf("%-20s %-20s %-12s %-10s %-15s\n",
                "Medicine (EN)", "Medicine (NP)", "Price (Rs.)", "Qty",
"Prescription");
        System.out.println("----------------------------------------------------------
----------------");


        System.out.printf("%-20s %-20s Rs.%8.2f %10d %15s\n",
                medEng1, medNep1, price1, qty1, pres1 ? "Required" : "Not
Required");

        System.out.printf("%-20s %-20s Rs.%8.2f %10d %15s\n",
                medEng2, medNep2, price2, qty2, pres2 ? "Required" : "Not
Required");
```

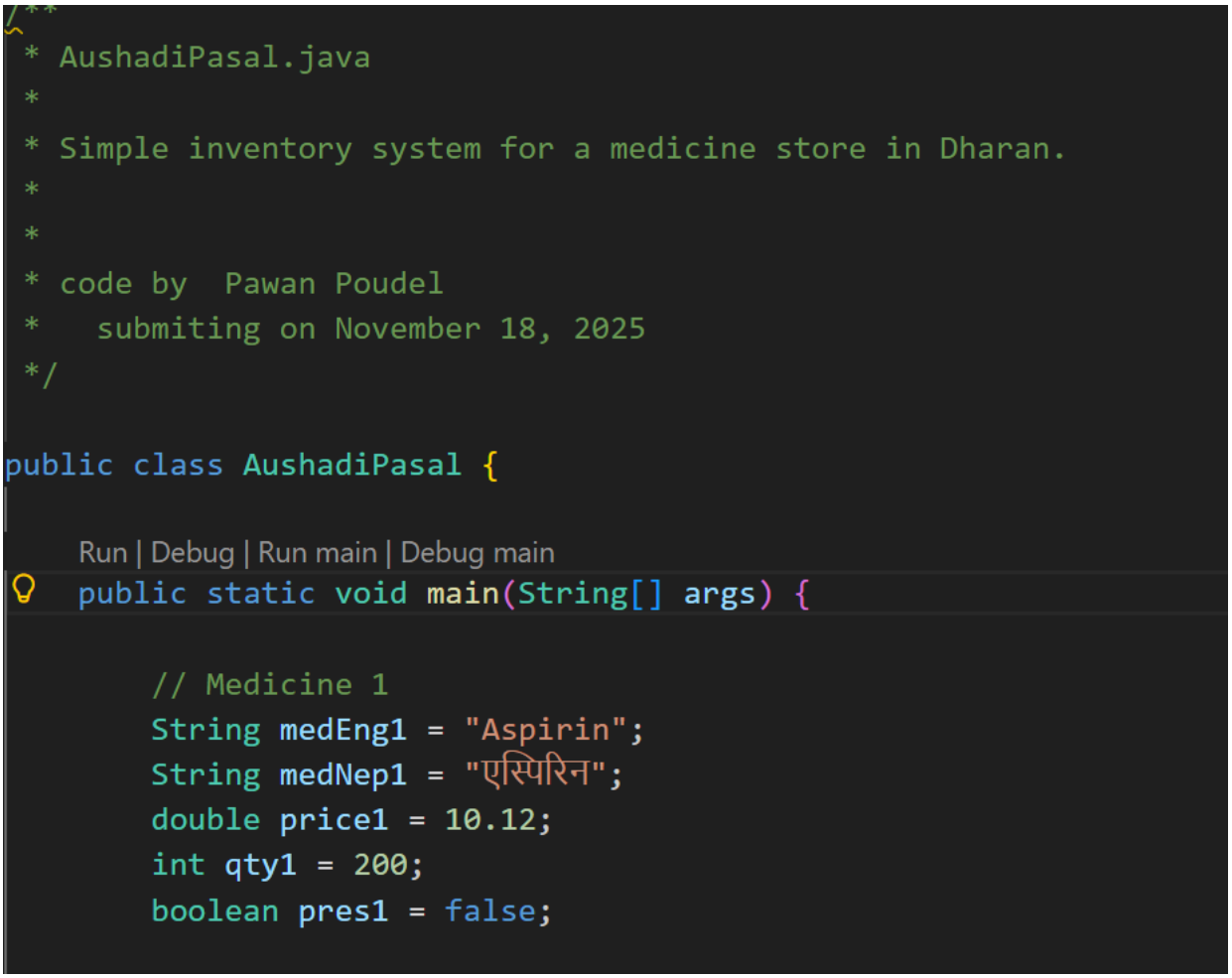
```
        System.out.printf("%-20s %-20s Rs.%8.2f %10d %15s\n",
                medEng3, medNep3, price3, qty3, pres3 ? "Required" : "Not
Required");

        System.out.printf("%-20s %-20s Rs.%8.2f %10d %15s\n",
                medEng4, medNep4, price4, qty4, pres4 ? "Required" : "Not
Required");

        System.out.printf("%-20s %-20s Rs.%8.2f %10d %15s\n",
                medEng5, medNep5, price5, qty5, pres5 ? "Required" : "Not
Required");

        System.out.printf("%-20s %-20s Rs.%8.2f %10d %15s\n",
                medEng6, medNep6, price6, qty6, pres6 ? "Required" : "Not
Required");

        System.out.println("-------------------------------------------------------
----------------");
        System.out.println("                          End of Inventory Report");
        System.out.println("-------------------------------------------------------
----------------");
    }
}
```



```java
/**
 * AushadiPasal.java
 *
 * Simple inventory system for a medicine store in Dharan.
 *
 *
 * code by  Pawan Poudel
 *   submiting on November 18, 2025
 */

public class AushadiPasal {

    Run | Debug | Run main | Debug main
    public static void main(String[] args) {

        // Medicine 1
        String medEng1 = "Aspirin";
        String medNep1 = "एस्पिरिन";
        double price1 = 10.12;
        int qty1 = 200;
        boolean pres1 = false;
```

Fig: screenshot of the program

```
// Medicine 2
String medEng2 = "Amoxicillin";
String medNep2 = "एमोक्सिसिलिन";
double price2 = 6.75;
int qty2 = 400;
boolean pres2 = false;

// Medicine 3
String medEng3 = "Atorvastatin";
String medNep3 = "एटोरभास्टाटिन";
double price3 = 2.99;
int qty3 = 500;
boolean pres3 = true;

// Medicine 4
String medEng4 = "Gabapentin";
String medNep4 = "गाबापेन्टिन";
double price4 = 8.67;
int qty4 = 100;
boolean pres4 = false;

// Medicine 5
String medEng5 = "Lignocaine";
String medNep5 = "लिग्नोकाइन";
double price5 = 40.00;
```
s
```
// Medicine 5
String medEng5 = "Lignocaine";
String medNep5 = "लिग्नोकाइन";
double price5 = 40.00;
int qty5 = 240;
boolean pres5 = true;

// Medicine 6
String medEng6 = "Metformin";
String medNep6 = "मेटफर्मिन";
double price6 = 5.59;
int qty6 = 457;
boolean pres6 = true;

// displayig the layout of the inventory report
System.out.println(x: "=========================================================================");
System.out.println(x: "                          Dharan Medical Store");
System.out.println(x: "=========================================================================");
System.out.println(x: "                       Aushadi Pasal Inventory Report");
System.out.println(x: "-------------------------------------------------------------------------");
```

```
System.out.printf(format: "%-20s %-20s %-12s %-10s %-15s\n",
        ...args: "Medicine (EN)", "Medicine (NP)", "Price (Rs.)", "Qty", "Prescription");
System.out.println(x: "-----------------------------------------------------------------------");


System.out.printf(format: "%-20s %-20s Rs.%8.2f %10d %15s\n",
        medEng1, medNep1, price1, qty1, pres1 ? "Required" : "Not Required");

System.out.printf(format: "%-20s %-20s Rs.%8.2f %10d %15s\n",
        medEng2, medNep2, price2, qty2, pres2 ? "Required" : "Not Required");

System.out.printf(format: "%-20s %-20s Rs.%8.2f %10d %15s\n",
        medEng3, medNep3, price3, qty3, pres3 ? "Required" : "Not Required");

System.out.printf(format: "%-20s %-20s Rs.%8.2f %10d %15s\n",
        medEng4, medNep4, price4, qty4, pres4 ? "Required" : "Not Required");

System.out.printf(format: "%-20s %-20s Rs.%8.2f %10d %15s\n",
        medEng5, medNep5, price5, qty5, pres5 ? "Required" : "Not Required");

System.out.printf(format: "%-20s %-20s Rs.%8.2f %10d %15s\n",
        medEng6, medNep6, price6, qty6, pres6 ? "Required" : "Not Required");
```

```
        System.out.printf(format: "%-20s %-20s Rs.%8.2f %10d %15s\n",
                medEng4, medNep4, price4, qty4, pres4 ? "Required" : "Not Required");

        System.out.printf(format: "%-20s %-20s Rs.%8.2f %10d %15s\n",
                medEng5, medNep5, price5, qty5, pres5 ? "Required" : "Not Required");

        System.out.printf(format: "%-20s %-20s Rs.%8.2f %10d %15s\n",
                medEng6, medNep6, price6, qty6, pres6 ? "Required" : "Not Required");

        System.out.println(x: "-----------------------------------------------------------------------");
        System.out.println(x: "                        End of Inventory Report");
        System.out.println(x: "-----------------------------------------------------------------------");
    }
}
```

Figures:: Screen shot of the codes

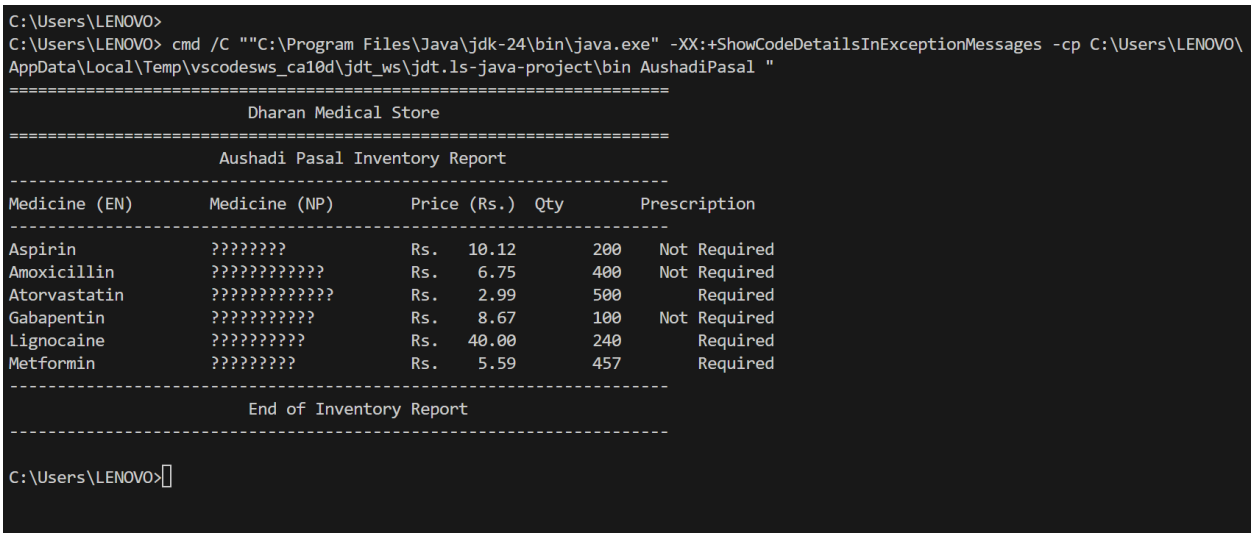


Fig: Actual output of the program

Test case ID	Description	Input	Expected output	Actual output	Notes	Status
TC01	Displaying Full Inventory	No input	Expected output show the Program should prints a table with 6 medicines showing English & Nepali names, price (2 decimal places using keyword double), quantity, and prescription weather ("Required"/"Not Required")	Actual output Exactly have to prints a table with 6 medicines showing English & Nepali names, price (2 decimal places using keyword double), quantity, and prescription weather ("Required"/"Not .	Checking the rows and column is perfectly aligned or not	Pass
TC02	Verifying weather a prescription is required for a person or not	No Input	Expected output should be Aspirin - Not Required	Actual output shows The programs shows accurately displays the	Boolean values working correctly	Pass

			Amoxicillin - Not Required Atorvastatin - Required Gabapentin -Not Required Lignocaine - Required Metformin - Required	values Aspirin - Not Required Amoxicillin - Not Required Atorvastatin - Required Gabapentin -Not Required Lignocaine - Required Metformin - Required		
TC03	Verifying Price formatting	No input	The price is expected as RS 10.12 RS 6.75 RS 2.99 RS 8.67 RS40.00 RS 5.59	The programs runs as RS 10.12 RS 6.75 RS 2.99 RS 8.67 RS 40.00 RS 5.59 accurately	Display 2 decimal places perfectly.	pass
TC04	Verifying quantity values weather displays or not	No input taken	The output was expected as 200 400 500 100 240 457	The output is printed as 200 400 500 100 240 457	Quantity value aligned on right hand side	pass
TC05	Check Table Alignment	No input	Expected All columns (Medicine (EN), Medicine (NP), Price, Qty,	The output is exactly meet the expected output As	All correct, expected output, True,	pass

			Prescription) properly aligned including their features as well	All columns (Medicine (EN), Medicine (NP), Price, Qty, Prescription) properly aligned including their features as well	visual inspection	
TC06	Verify Nepali Unicode characters displaying correctly	NO Input	Expected output was to show All 6 Nepali medicine names shown on the console.	The actual output should show The names of the medicine run in in the console.	Doesn't support Unicode by console	fail

Table: Testcase of the program

Conclusion: Test was successful and meets the requirement of the scenario.