**Program 10. Create worksheet on Inventory Management: Sheet should contain Product code, Product name, Product type, MRP, Cost after % of discount, Date of purchase. Use appropriate formulas to calculate the above scenario. Analyse the data using appropriate chart and report the data. Top of Form**

**Step 1: Data Entry**

1. Open a new Excel worksheet.
2. Enter the following column headers in the first row:
   * A1: Product Code
   * B1: Product Name
   * C1: Product Type
   * D1: MRP
   * E1: Discount (%)
   * F1: Cost after Discount
   * G1: Date of Purchase
3. Enter sample product data in the subsequent rows. For example:

A2: P001

B2: Laptop

C2: Electronics

D2: 1200

E2: 10

F2: =D2-(D2\*E2/100) (Calculating Cost after Discount)

G2: 2024-01-25 (Enter the date of purchase)

* + Drag the formulas down for other products.

**Step 2: Create a Pivot Table**

1. Select the data range including headers (A1:G6 in this example).
2. Go to the "Insert" tab on the ribbon.
3. Click on "PivotTable" and choose the location (e.g., a new worksheet).
4. In the PivotTable Field List, drag fields to appropriate areas:
   * Rows: Product Type
   * Values: MRP, Cost after Discount (you can use these fields for analysis)

**Step 3: Create a Pivot Chart**

1. Click anywhere in the pivot table.
2. Go to the "Insert" tab on the ribbon.
3. Click on "PivotChart" and choose the chart type (e.g., bar chart, line chart).
4. Configure the chart fields as needed.

**Step 4: Analyze and Report**

1. Analyze the pivot table and chart to understand product types, MRP, and discounted costs.
2. Use the data in the pivot table to generate additional reports or summaries.

**Program 11. Create worksheet on Sales analysis of Merchandise Store: data consisting of Order ID, Customer ID, Gender, age, date of order, month, online platform, Category of product, size, quantity, amount, shipping city and other details. Use of formula to segregate different categories and perform a comparative study using pivot tables and different sort of charts.**

### Step 1: Data Entry

1. Open a new Excel worksheet.
2. Enter the following column headers in the first row:
   * A1: Order ID
   * B1: Customer ID
   * C1: Gender
   * D1: Age
   * E1: Date of Order
   * F1: Month
   * G1: Online Platform
   * H1: Category of Product
   * I1: Size
   * J1: Quantity
   * K1: Amount
   * L1: Shipping City
   * ... (other details)
3. Enter sample sales data in the subsequent rows. For example:

A2: O001

B2: C001

C2: Female

D2: 25

E2: 2024-01-25

F2: January

G2: Online

H2: Apparel

I2: M

J2: 2

K2: 80.00

L2: City A

1. Drag the formulas down for other sales records.

### Step 2: Segregate Different Categories Using Formulas

1. Use formulas to calculate and segregate data by different categories. For example, you can use formulas like COUNTIF, SUMIFS, and other relevant functions to analyze data based on different criteria.

### Step 3: Create a Pivot Table

1. Select the data range including headers (A1:L100 in this example).
2. Go to the "Insert" tab on the ribbon.
3. Click on "PivotTable" and choose the location (e.g., a new worksheet).
4. In the PivotTable Field List, drag fields to appropriate areas:
   * Rows: Category of Product, Gender, Month, Online Platform, etc.
   * Values: Quantity, Amount (you can use these fields for analysis)

### Step 4: Create Comparative Charts

1. Click anywhere in the pivot table.
2. Go to the "Insert" tab on the ribbon.
3. Click on "PivotChart" and choose the chart type (e.g., bar chart, pie chart).
4. Configure the chart fields as needed.

### Step 5: Analyze and Report

1. Analyze the pivot table and charts to understand sales trends based on different criteria.
2. Use the data in the pivot table and charts to generate additional reports or summaries.