

**Q5. Apply Data Validation to restrict Quantity values to only whole numbers between 1 and 10.**

**a. Configure an input message that appears when a user selects a cell in the "Quantity" column explaining: "Please enter a whole number between 1 and 10."**

**b. Set up an error alert message that triggers if the user enters a number less than 1 or greater than 10, showing: "Invalid input! The quantity must be a whole number between 1 and 10."**

**Write a step-by-step approach for this question**

**Step-by-Step Approach in Excel**

1. Select the cells in the **Quantity** column where you want to apply validation.

2. Go to the **Data** tab on the ribbon.

3. Click on **Data Validation**.

4. In the **Settings** tab:

1. Allow → **Whole Number**
2. Data → **Between**
3. Minimum → **1**
4. Maximum → **10**

**a. Configure the Input Message**

5. Go to the **Input Message** tab.

6. Tick **Show input message when cell is selected**.

7. In the Input Message box, type:

**Please enter a whole number between 1 and 10.**

**b. Set up the Error Alert Message**

8. Go to the **Error Alert** tab.

9. Tick **Show error alert after invalid data is entered**.

10. Style → **Stop**

11. In the Error Message box, type:

**Invalid input! The quantity must be a whole number between 1 and 10.**

12. Click **OK** to apply the validation rule.

Customer Name	Product Name	Category	Quantity	Unit Price
Jane Smith	Shoes	Electronics	5	81
Alex Moore	Shoes	Electronics	2	500
Isabella Davis	Headphones	Electronics	1	348
Isabella Moore	Laptop	Electronics	3	121
Michael Johnson	Table Lamp	Home Decor	4	423