

Lesson 3

1. Applied Steps oynasining maqsadi nima?

- **O‘zbekcha:** Applied Steps oynasi sizning barcha o‘zgarishlaringizni ketma-ket ko‘rsatadi. Siz qadamlarni tahrirlash, o‘chirish yoki tartibini o‘zgartirish imkoniga egasiz.
- **Inglizcha:** The Applied Steps pane shows all the transformations you applied in order. You can edit, delete, or reorder steps.

2. Takroriy qatorlarni qanday olib tashlash mumkin?

- **O‘zbekcha:** Jadvalni tanlang → Home → Remove Rows → Remove Duplicates. Takroriy qatorlarning birinchisi qoladi, qolganlari o‘chiriladi.
- **Inglizcha:** Select the table → Home → Remove Rows → Remove Duplicates. The first occurrence of duplicates remains, the rest are removed.

3. Filter ikonkasi nima qiladi?

- **O‘zbekcha:** Filter ikonkasi satrlarni tanlash yoki filrlash imkonini beradi. Masalan, ma’lum qiymatlarni tanlash, shartlar qo‘yish, matnni qidirish.
- **Inglizcha:** The Filter icon allows you to select or filter rows, for example by specific values, conditions, or text search.

4. CustID ustunini CustomerID deb qanday o‘zgartirish mumkin?

- **O‘zbekcha:** Ustunga o‘ng tugma → Rename → yangi nomni yozing. Yoki ustunni ikki marta bosib tahrirlash mumkin.
- **Inglizcha:** Right-click the column → Rename → type the new name. Or double-click the column header to edit.

5. Close & Apply bosilsa nima bo‘ladi?

- **O‘zbekcha:** Barcha o‘zgarishlar saqlanadi va Power BI Desktop ga yuklanadi.
- **Inglizcha:** All changes are saved and loaded back into Power BI Desktop.

6. Quantity < 2 bo‘lgan qatorlarni olib tashlash

- **O‘zbekcha:** Quantity ustunini filrlash: Number Filters → Greater than or equal to 2.
- **Inglizcha:** Filter the Quantity column → Number Filters → Greater than or equal to 2.

7. OrderDate ustunini Year, Month, Day ga ajratish

- **O‘zbekcha:** OrderDate ustunini tanlang → Transform → Date → Year/Month/Day → Extract yoki Split Column.
- **Inglizcha:** Select OrderDate → Transform → Date → Year/Month/Day → Extract or use Split Column.

8. Product ustunidagi “Mouse” ni “Computer Mouse” bilan almashtirish

- **O‘zbekcha:** Product ustuni → Transform → Replace Values → “Mouse” ni “Computer Mouse” bilan almashtiring.
- **Inglizcha:** Product column → Transform → Replace Values → replace “Mouse” with “Computer Mouse”.

9. Jadvalni OrderDate bo‘yicha (eng yangi birinchi) tartiblash

- **O‘zbekcha:** OrderDate ustunini tanlang → Sort Descending.
- **Inglizcha:** Select OrderDate → Sort Descending.

10. Price ustunidagi null qiymatlarni qanday boshqarish mumkin?

- **O‘zbekcha:** Null qiymatlarni 0 bilan almashtirish, qatorlarni o‘chirish yoki Fill Down/Up yordamida to‘ldirish mumkin.
- **Inglizcha:** Replace nulls with 0, remove rows, or use Fill Down/Up to fill missing values.

11. TotalSpent = Quantity * Price ustunini qo‘sish

- **O‘zbekcha:** Add Column → Custom Column → TotalSpent = [Quantity] * [Price].

- **Inglizcha:** Add Column → Custom Column → TotalSpent = [Quantity] * [Price].
- 12. CustID bo'yicha guruhab jami xarajatni ko'rsatish**
- **O'zbekcha:** Home → Group By → CustID → Sum → TotalSpent.
 - **Inglizcha:** Home → Group By → CustID → Sum → TotalSpent.
- 13. Turli sana formatlarini tuzatish**
- **O'zbekcha:** OrderDate ustunini tanlang → Transform → Data Type → Date. Power Query turli formatlarni bir xil formatga o'tkazadi.
 - **Inglizcha:** Select OrderDate → Transform → Data Type → Date. Power Query converts different date formats to a consistent format.
- 14. Shartli ustun: Price > 100 bo'lsa "High Value" deb belgilash**
- **O'zbekcha:** Add Column → Conditional Column → nomi OrderLabel, shart: Price > 100 → "High Value", aks holda "Normal".
 - **Inglizcha:** Add Column → Conditional Column → name OrderLabel, condition: Price > 100 → "High Value", else "Normal".
- 15. So'rovni optimallashtirish**
- **O'zbekcha:** Keraksiz ustunlarni oldinroq olib tashlash, satrlarni filrlash, ortiqcha qadamlarni kamaytirish.
 - **Inglizcha:** Remove unnecessary columns early, filter rows, and reduce extra steps to optimize query.