Lesson-11

Topic: Date and time functions & Financial Functions

Prerequisites: Download Lesson 10.xlsx file.

Create a table with 7 columns in a single DAX query

Table should consist of:

The previous and the next 7 days from the current date

Name of the day (Friday, Saturday, etc.)

Name of the day in Uzbek

Year Number of the day

Month Name

Day number

Fiscal quarter, considering fiscal year starting in October

Here is a **single DAX query** that creates a table with 7 columns for the **previous 7 days, current day, and next 7 days** (total 15 days), including localized and fiscal attributes:

☑ Full DAX Query:

```
Calendar Table =
ADDCOLUMNS (
    CALENDAR (TODAY() - 7, TODAY() + 7),

    "Day Name (EN)", FORMAT([Date], "dddd"),
    "Day Name (UZ)",
        SWITCH(
            WEEKDAY([Date], 2),
            1, "Dushanba",
            2, "Seshanba",
            3, "Chorshanba",
            4, "Payshanba",
            5, "Juma",
            6, "Shanba",
            7, "Yakshanba"
        ),
    "Year", YEAR([Date]),
    "Month Name", FORMAT([Date], "MMMM"),
    "Day Number", DAY([Date]),
    "Fiscal Quarter",
        "Q" & SWITCH(
            TRUE(),
            MONTH([Date]) >= 10, INT((MONTH([Date]) - 10) / 3) + 1,
            TRUE, INT((MONTH([Date]) + 2) / 3)
        )
)
```

Columns in the Result:

Date	Day Name (EN)	Day Name (UZ)	Year	Month Name	Day Number	Fiscal Quarter
2025-06-10	Tuesday	Seshanba	2025	June	10	Q4
2025-06-11	Wednesday	Chorshanba	2025	June	11	Q4

☑ Explanation of Key Features:

- `CALENDAR(TODAY()-7, TODAY()+7)`: generates 15 days centered around today.
- `FORMAT(..., "dddd")`: gets full weekday name in English.
- `SWITCH(WEEKDAY(...))`: manually maps weekday numbers to Uzbek names.
- `Fiscal Quarter`: handles fiscal year starting in **October**.