

CLEAN AND TRANSFORM DATA ASSIGNMENT

1) Rename columns to: Date, Holiday Name, Holiday Type.

The screenshot displays the Power Query Editor interface. The main area shows a table with 3 columns and 25 rows. The columns are labeled 'Date', 'Holiday Name', and 'Holiday Type'. The data includes dates and corresponding holiday names. The interface includes a ribbon with various transformation options, a query settings pane, and a status bar at the bottom.

Table Data:

Date	Holiday Name	Holiday Type
6	Mon	Idul Fitr
7	Sun	Ram Navami
8	Thu	Mahavir Jayanti
9	Mon	Dr Ambedkar Jayanti
10	Fri	Good Friday
11	Thu	Maharashtra Day
12	Mon	Buddha Purnima
13	Sat	Bakrid / Eid al Adha
14	Sun	Muharram
15	Fri	Independence Day
16	Sat	Parsi New Year
17	Wed	Ganesh Chaturthi
18	Fri	Eid e Milad
19	Thu	Vijaya Dashami
20	Thu	Gandhi Jayanti
21	Tue	Diwali
22	Wed	Deepavali Holiday
23	Wed	Guru Nanak Jayanti
24	Thu	Christmas Day
25	tra.gov.in for the original release.	Visit maharashtra.gov.in for the original release.

Query Settings:

- Name: Table 1
- Applied Steps: Source, Extracted Table From Html, Changed Type, Renamed Columns, Removed Blank Rows, Promoted Headers

Status Bar: 3 COLUMNS, 25 ROWS. Column profiling based on top 1000 rows. PREVIEW DOWNLOADED AT 1:05 PM.

2) Change the Date column to Date format.

The screenshot shows the Microsoft Power Query Editor interface. The 'Transform' tab is active, and the 'Format' dropdown menu is open, showing various data types. The 'Date' option is selected. The formula bar shows the query formula: `= Table.RenameColumns("#Promoted Headers",{{"Holiday", "Holiday Type"}, {"Day", "Holiday Day"}})`. The data table has three columns: 'Date', 'Holiday Day', and 'Holiday Type'. The 'Date' column is currently in 'Text' format, and the 'Holiday Day' column is in 'Text' format. The 'Holiday Type' column is in 'Text' format. The 'Date' column is highlighted, and the 'Date' format is being applied.

Queries [2]

Table 1

Table 2

Formula Bar: `= Table.RenameColumns("#Promoted Headers",{{"Holiday", "Holiday Type"}, {"Day", "Holiday Day"}})`

Columns: Date, Holiday Day, Holiday Type

Format Menu:

- 1.2 Decimal Number
- \$ Fixed decimal number
- 123 Whole Number
- % Percentage
- Date/Time
- Date
- Time
- Date/Time/Timezone
- Duration
- Text
- True/False
- Binary
- Using Locale...

Table Data:

	Date	Holiday Day	Holiday Type
1	1.2	Sun	Republic Day
2	\$	Wed	Chhatrapati Shivaji Maharaj Jayanti
3	123	Wed	Maha Shivaratri
4	%	Fri	Holi
5	Date/Time	Sun	Gudi Padwa
6	Date	Mon	Idul Fitr
7	Time	Sun	Ram Navami
8	Date/Time/Timezone	Thu	Mahavir Jayanti
9	Duration	Mon	Dr Ambedkar Jayanti
10	Text	Fri	Good Friday
11	True/False	Thu	Maharashtra Day
12	Binary	Mon	Buddha Purnima
13	Using Locale...	Sat	Bakrid / Eid al Adha
14	6 Jul	Sun	Muharram
15	15 Aug	Fri	Independence Day
16	16 Aug	Sat	Parsi New Year
17	27 Aug	Wed	Ganesh Chaturthi
18	5 Sep	Fri	Eid e Milad
19	2 Oct	Thu	Vijaya Dashami
20	2 Oct	Thu	Gandhi Jayanti
21			

Query Settings

PROPERTIES

Name: Table 1

APPLIED STEPS

- Source
- Extracted Table From Html
- Changed Type
- Renamed Columns
- Removed Blank Rows
- Promoted Headers
- Renamed Columns1

3 COLUMNS, 25 ROWS Column profiling based on top 1000 rows

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3) Add a new column Month from the Date.

The screenshot shows the Power Query Editor interface. The 'Date' column is selected, and the 'Month' option is chosen from the context menu. The 'APPLIED STEPS' pane on the right shows the following steps:

- Source
- Extracted Table From Html
- Changed Type
- Renamed Columns
- Removed Blank Rows
- Promoted Headers
- Renamed Columns1
- Changed Type1
- Removed Errors

The data table has 3 columns and 24 rows. The columns are 'Date', 'Holiday Day', and 'Month'. The data is as follows:

	Date	Holiday Day	Month
1	26-Jan-25	Sun	January
2	19-Feb-25	Wed	February
3	26-Feb-25	Wed	February
4	14-Mar-25	Fri	March
5	30-Mar-25	Sun	March
6	31-Mar-25	Mon	March
7	06-Apr-25	Sun	April
8	10-Apr-25	Thu	April
9	14-Apr-25	Mon	April
10	18-Apr-25	Fri	April
11	01-May-25	Thu	May
12	12-May-25	Mon	May
13	07-Jun-25	Sat	June
14	06-Jul-25	Sun	July
15	15-Aug-25	Fri	August
16	16-Aug-25	Sat	August
17	27-Aug-25	Wed	August
18	05-Sep-25	Fri	September
19	02-Oct-25	Thu	October
20	02-Oct-25	Thu	October
21			

4) Add a custom column Day of Week.

The screenshot shows the Power Query Editor interface. The 'Add Column' menu is open, and 'Day of Week' is selected. The main table displays the following data:

	Index	Holiday Type	Month	Day of Week
1		Republic Day	January	1
2		Chhatrapati Shivaji Maharaj Jayanti	February	2
3		Maha Shivaratri	February	3
4		Holi	March	4
5		Gudi Padwa	March	5
6		Idul Fitr	March	6
7		Ram Navami	April	7
8		Mahavir Jayanti	April	8
9		Dr Ambedkar Jayanti	April	9
10		Good Friday	April	10
11		Maharashtra Day	May	11
12		Buddha Purnima	May	12
13		Bakrid / Eid al Adha	June	13
14		Muharram	July	14
15		Independence Day	August	15
16		Parsi New Year	August	16
17		Ganesh Chaturthi	August	17
18		Eid e Milad	September	18
19		Vijaya Dashami	October	19
20		Gandhi Jayanti	October	20
21				

The 'Query Settings' pane on the right shows the 'APPLIED STEPS' list, which includes 'Inserted Day of Week'.

5) Add a column IsWeekend – Flag if the holiday falls on Saturday or Sunday.

Custom Column

Add a column that is computed from the other columns.

New column name

ISWEEKEND

Custom column formula ①

= if [Day of Week] = "Saturday" or [Day of Week] = "Sunday" then true else false

Available columns

- Date
- Holiday Day
- Holiday Type
- Month Name
- Day of Week

<< Insert

Learn about Power Query formulas

✓ No syntax errors have been detected.

OK Cancel

Query Settings

NAME

Table 1

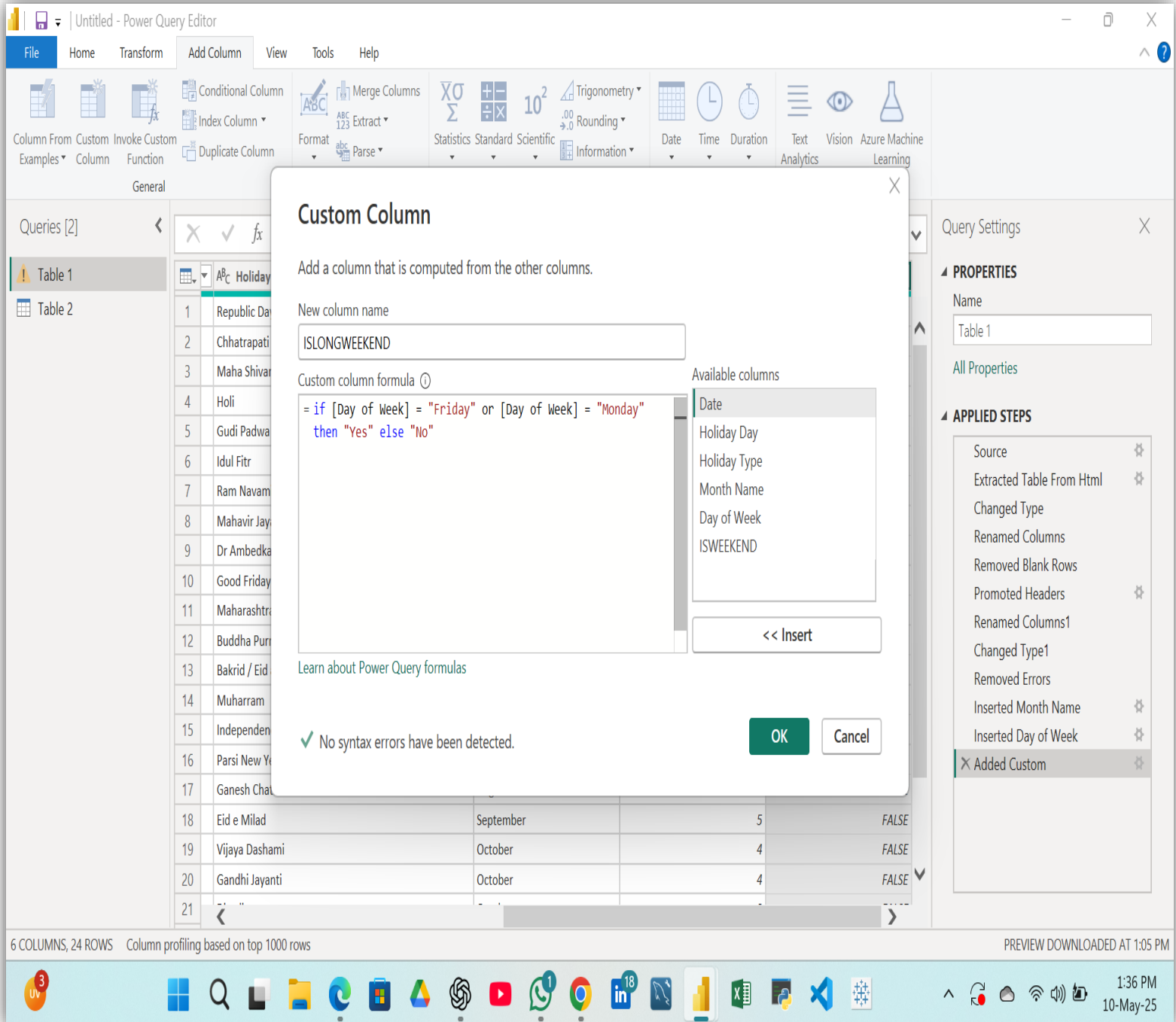
APPLIED STEPS

- Source
- Extracted Table From Html
- Changed Type
- Renamed Columns
- Removed Blank Rows
- Promoted Headers
- Renamed Columns1
- Changed Type1
- Removed Errors
- Inserted Month Name
- Inserted Day of Week

5 COLUMNS, 24 ROWS Column profiling based on top 1000 rows

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6) Add a calculated column IsLongWeekend – Flag as "Yes" if the holiday is on Friday or Monday.



Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Column From Custom Invoke Custom Examples Column Function Duplicate Column

Conditional Column Index Column

Format Merge Columns Extract Parse

Statistics Standard Scientific Information

Date Time Duration Text Vision Azure Machine Learning

Queries [2]

Table 1

Table 2

Table

1 Republic Day

2 Chhatrapati

3 Maha Shivar

4 Holi

5 Gudi Padwa

6 Idul Fitr

7 Ram Navam

8 Mahavir Jay

9 Dr Ambedka

10 Good Friday

11 Maharashtra

12 Buddha Purn

13 Bakrid / Eid

14 Muharram

15 Independen

16 Parsi New Y

17 Ganesh Cha

18 Eid e Milad

19 Vijaya Dashami

20 Gandhi Jayanti

21

6 COLUMNS, 24 ROWS Column profiling based on top 1000 rows

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Custom Column

Add a column that is computed from the other columns.

New column name

ISLONGWEEKEND

Custom column formula ⓘ

= if [Day of Week] = "Friday" or [Day of Week] = "Monday" then "Yes" else "No"

Available columns

Date

Holiday Day

Holiday Type

Month Name

Day of Week

ISWEEKEND

<< Insert

Learn about Power Query formulas

✓ No syntax errors have been detected.

OK Cancel

Query Settings

Name

Table 1

All Properties

APPLIED STEPS

Source

Extracted Table From Html

Changed Type

Renamed Columns

Removed Blank Rows

Promoted Headers

Renamed Columns1

Changed Type1

Removed Errors

Inserted Month Name

Inserted Day of Week

Added Custom