

CLEAN AND TRANSFORM DATA ASSIGNMENT

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

Screenshot of the Power Query Editor interface showing a table with two columns: "Day" and "Holiday Type". The table contains 25 rows of data. The "Day" column lists various days of the week, and the "Holiday Type" column lists corresponding holidays. The Power Query ribbon is visible at the top, and the "APPLIED STEPS" pane on the right shows the steps taken to process the data, including "Promoted Headers".

	Day	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.

Properties pane:

- Name: Table 1
- All Properties

Applied Steps:

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

Bottom status bar:

- 3 COLUMNS, 25 ROWS Column profiling based on top 1000 rows
- PREVIEW DOWNLOADED AT 1:05 PM
- Icons for various applications (Windows, Search, File Explorer, Edge, Google Chrome, LinkedIn, Excel, Python, Visual Studio, etc.)
- System tray icons (Battery, Network, Sound, etc.)
- 1:31 PM 10-May-25

2) Change the Date column to Date format.

Screenshot of the Power Query Editor interface showing a table with three columns: Date, Holiday Day, and Holiday Type. A context menu is open over the first row of the Date column, displaying various data type options such as Decimal Number, Fixed decimal number, Whole Number, Percentage, Date/Time, Date, Time, Date/Time/Timezone, Duration, Text, True/False, Binary, and Using Locale... The table contains 25 rows of data, including Indian holidays like Republic Day, Maha Shivaratri, Holi, Gudi Padwa, Idul Fitri, Ram Navami, Mahavir Jayanti, Dr Ambedkar Jayanti, Good Friday, Maharashtra Day, Buddha Purnima, Bakrid / Eid al Adha, Muharram, Independence Day, Parsi New Year, Ganesh Chaturthi, Eid e Milad, Vijaya Dashami, and Gandhi Jayanti.

Date	Holiday Day	Holiday Type
1.2 Decimal Number	Sun	Republic Day
\$ Fixed decimal number	Wed	Chhatrapati Shivaji Maharaj Jayanti
1 Whole Number	Wed	Maha Shivaratri
% Percentage	Fri	Holi
Date/Time	Sun	Gudi Padwa
Date	Mon	Idul Fitri
Time	Sun	Ram Navami
Date/Time/Timezone	Thu	Mahavir Jayanti
Duration	Mon	Dr Ambedkar Jayanti
Text	Fri	Good Friday
True/False	Thu	Maharashtra Day
Binary	Mon	Buddha Purnima
Using Locale...	Sat	Bakrid / Eid al Adha
6 Jul	Sun	Muharram
15 Aug	Fri	Independence Day
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		

Properties pane on the right shows the table is named "Table 1". Applied steps list includes: Source, Extracted Table From Html, Changed Type, Renamed Columns, Removed Blank Rows, Promoted Headers, and Renamed Columns1 (selected).

System tray icons at the bottom include: Task View, Search, File Explorer, Phone, Taskbar, YouTube, WhatsApp, Google Chrome, LinkedIn, Microsoft Edge, Python, Visual Studio, and Network. System status icons include: Battery (3), Network, Sound, and Date/Time (10-May-25, 1:32 PM).

3) Add a new column Month from the Date.

Screenshot of the Microsoft Power Query Editor interface showing the transformation of a table named "Table 1".

The table contains 24 rows and 3 columns. The first column is labeled "Date" and lists dates from Jan 26 to Oct 02. The second column is labeled "Holiday Day" and lists various Indian holidays. The third column is empty.

In the Power Query ribbon, the "Transform" tab is selected. A context menu is open over the "Date" column, specifically under the "Date" section of the Date, Time, Duration group. The menu path "Month" is highlighted.

The "PROPERTIES" pane on the right shows the table is named "Table 1". The "APPLIED STEPS" pane lists the following steps:

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

At the bottom, the status bar indicates "3 COLUMNS, 24 ROWS" and "Column profiling based on top 1000 rows". The system tray shows the date as "10-May-25" and the time as "1:33 PM".

Date	Holiday Day	
26-Jan-25	Sun	
19-Feb-25	Wed	
26-Feb-25	Wed	
14-Mar-25	Fri	
30-Mar-25	Sun	
31-Mar-25	Mon	
06-Apr-25	Sun	
10-Apr-25	Thu	
14-Apr-25	Mon	
18-Apr-25	Fri	Good Friday
01-May-25	Thu	Maharashtra Day
12-May-25	Mon	Buddha Purnima
07-Jun-25	Sat	Bakrid / Eid al Adha
06-Jul-25	Sun	Muharram
15-Aug-25	Fri	Independence Day
16-Aug-25	Sat	Parsi New Year
27-Aug-25	Wed	Ganesh Chaturthi
05-Sep-25	Fri	Eid e Milad
02-Oct-25	Thu	Vijaya Dashami
02-Oct-25	Thu	Gandhi Jayanti

4) Add a custom column Day of Week.

The screenshot shows the Microsoft Power Query Editor interface. The ribbon at the top has the 'Add Column' tab selected. On the far left, under 'Queries [2]', 'Table 1' is selected. The main area displays a table with two columns: 'Holiday Type' and 'Month'. A context menu is open over the 'Day' column, with 'Day of Week' highlighted. The 'APPLIED STEPS' pane on the right lists the following 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** (highlighted)

At the bottom, the status bar shows '5 COLUMNS, 24 ROWS' and 'PREVIEW DOWNLOADED AT 1:05 PM'. The taskbar at the very bottom includes icons for File Explorer, Task View, Start, Search, Edge, Google Chrome, LinkedIn, Microsoft Teams, Excel, and Visual Studio Code.

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

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

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Column From Examples Custom Column Invoke Custom Function Duplicate Column Conditional Column Index Column Extract Format Parse Statistics Standard Scientific Trigonometry Date Time Duration Text Analytics Vision Azure Machine Learning

General

Queries [2]

Table 1

Date

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
																	05-Sep-25 Fri	Eid e Milad		
																	02-Oct-25 Thu	Vijaya Dashami		
																	02-Oct-25 Thu	Gandhi Jayanti		

Custom Column

Add a column that is computed from the other columns.

New column name: ISWEEKEND

Custom column formula:

```
= 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

Properties

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

5 COLUMNS, 24 ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED AT 1:05 PM

uv 3

Windows Search File Explorer Microsoft Edge Google Chrome LinkedIn Python Visual Studio GitHub

1:35 PM 10-May-25

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

Screenshot of the Power Query Editor showing the creation of a custom column named "ISLONGWEEKEND".

The formula is:

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

The "Available columns" dropdown shows the following options:

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

The status bar at the bottom indicates: 6 COLUMNS, 24 ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED AT 1:05 PM

System tray icons are visible at the bottom right, including a battery icon with '3' and a date/time stamp of 10-May-25 1:36 PM.