DAX TEXT FUNCTIONS

UPPER

Definition: Converts all letters in a string to uppercase.
Syntax: UPPER(<text>)
Parameters:

- <text>: Column or string to convert.
  Example:
  UpperDay = UPPER(RawPizzaSales[Day])
  Result: Converts "Monday" to "MONDAY".

LOWER

Definition: Converts all letters in a string to lowercase.
Syntax: LOWER(<text>)
Parameters:

- <text>: Column or string to convert.
  Example:
  LowerCategory = LOWER(RawPizzaSales[Category])
  Result: Converts "Veg" to "veg".

CONCATENATE

Definition: Joins two text strings into one.
Syntax: CONCATENATE(<text1>, <text2>)
Parameters:

- <text1>, <text2>: Columns or strings to concatenate.
  Example:
  PizzaLabel = CONCATENATE(RawPizzaSales[PizzaName], RawPizzaSales[Category])
  Result: "Farmhouse" + "Veg" = "FarmhouseVeg"
  For more fields, use: RawPizzaSales[PizzaName] & " (" & RawPizzaSales[Category] & ")" → "Farmhouse (Veg)".

LEN

Definition: Returns the number of characters in a string.
Syntax: LEN(<text>)
Parameters:

- <text>: Column or string to calculate length.
  Example:
  PizzaNameLength = LEN(RawPizzaSales[PizzaName])
  Result: For "Farmhouse", result is 9.

LEFT

Definition: Returns the specified number of characters from the start of a string.
Syntax: LEFT(<text>, <num_chars>)
Parameters:

- <text>: Column or string.
- <num_chars>: Number of characters to extract.
  Example:
  PizzaPrefix = LEFT(RawPizzaSales[PizzaName], 4)
  Result: For "Farmhouse", result is "Farm".

RIGHT

Definition: Returns the specified number of characters from the end of a string.
Syntax: RIGHT(<text>, <num_chars>)
Parameters:

- <text>: Column or string.
- <num_chars>: Number of characters to extract.
  Example:
  PizzaSuffix = RIGHT(RawPizzaSales[PizzaName], 4)
  Result: For "Farmhouse", result is "ouse".

MID

Definition: Returns characters from the middle of a string, given a starting position and length.
Syntax: MID(<text>, <start_num>, <num_chars>)
Parameters:

- <text>: Column or string.

- <start_num>: Position to start.
- <num_chars>: Number of characters.
  Example:
  PizzaMid = MID(RawPizzaSales[PizzaName], 2, 3)
  Result: For "Farmhouse", result is "arm".

REPLACE

Definition: Replaces part of a string with another substring, based on character location.
Syntax: REPLACE(<old_text>, <start_num>, <num_chars>, <new_text>)
Parameters:

- <old_text>: Original string or column.
- <start_num>: Start position.
- <num_chars>: How many characters to replace.
- <new_text>: Text for replacement.
  Example:
  ReplacedPizza = REPLACE(RawPizzaSales[PizzaName], 1, 4, "Test")
  Result: For "Farmhouse", result is "Testhouse".

SUBSTITUTE

Definition: Replaces existing text with new text in a string.
Syntax: SUBSTITUTE(<text>, <old_text>, <new_text>[, <instance_num>])
Parameters:

- <text>: Column or string.
- <old_text>: Text to find.
- <new_text>: Replacement.
- <instance_num>: (Optional) Which occurrence to replace.
  Example:
  VegToGreen = SUBSTITUTE(RawPizzaSales[Category], "Veg", "Green")
  Result: For "Veg", result is "Green".

SEARCH

Definition: Returns the starting position of one text string within another (case-insensitive).
Syntax: SEARCH(<find_text>, <within_text>[, <start_num>])
Parameters:

- <find_text>: Substring to find.
- <within_text>: Column or string to search in.
- <start_num>: (Optional) Where to start.
  Example:
  DoublePos = SEARCH("Double", RawPizzaSales[PizzaName], 1)
  Result: For "Double Cheese", result is 1; for "Farmhouse", will return error or blank.

Month	Day	Pizza_Code	Pizza_Name	Category	Sales	Price_USD	Upper	Lower	Concat	left	right	len	Mid	Replace	Substitute	search
January	Sunday	3	Farmhouse	Veg	103	7	SUNDAY	veg	FarmhouseVeg	Farm	house	9	mhous	Test	Green	10
January	Sunday	5	Double Cheese	Veg	68	10	SUNDAY	veg	Double CheeseVeg	Doub	heese	13	ble C	Test	Green	14
January	Sunday	4	Deluxe	Non-Veg	61	15	SUNDAY	non-veg	DeluxeNon-Veg	Delu	eluxe	6	uxe	Test	Non-Green	11
January	Sunday	3	Farmhouse	Veg	114	7	SUNDAY	veg	FarmhouseVeg	Farm	house	9	mhous	Test	Green	10
January	Sunday	3	Farmhouse	Veg	67	7	SUNDAY	veg	FarmhouseVeg	Farm	house	9	mhous	Test	Green	10
January	Monday	5	Double Cheese	Veg	91	10	MONDAY	veg	Double CheeseVeg	Doub	heese	13	ble C	Test	Green	14
January	Monday	5	Double Cheese	Veg	103	10	MONDAY	veg	Double CheeseVeg	Doub	heese	13	ble C	Test	Green	14
January	Monday	4	Deluxe	Non-Veg	133	15	MONDAY	non-veg	DeluxeNon-Veg	Delu	eluxe	6	uxe	Test	Non-Green	11
January	Tuesday	3	Farmhouse	Veg	87	7	TUESDAY	veg	FarmhouseVeg	Farm	house	9	mhous	Test	Green	10
January	Tuesday	3	Farmhouse	Veg	82	7	TUESDAY	veg	FarmhouseVeg	Farm	house	9	mhous	Test	Green	10
January	Tuesday	5	Double Cheese	Veg	93	10	TUESDAY	veg	Double CheeseVeg	Doub	heese	13	ble C	Test	Green	14
January	Tuesday	2	Chicago	Non-Veg	150	20	TUESDAY	non-veg	ChicagoNon-Veg	Chic	icago	7	cago	Test	Non-Green	12
January	Wednesday	3	Farmhouse	Veg	129	7	WEDNESDAY	veg	FarmhouseVeg	Farm	house	9	mhous	Test	Green	10
January	Wednesday	3	Farmhouse	Veg	68	7	WEDNESDAY	veg	FarmhouseVeg	Farm	house	9	mhous	Test	Green	10
January	Thursday	2	Chicago	Non-Veg	81	20	THURSDAY	non-veg	ChicagoNon-Veg	Chic	icago	7	cago	Test	Non-Green	12
January	Thursday	1	Margherita	Veg	81	25	THURSDAY	veg	MargheritaVeg	Marg	erita	10	gheri	Test	Green	11
January	Thursday	2	Chicago	Non-Veg	51	20	THURSDAY	non-veg	ChicagoNon-Veg	Chic	icago	7	cago	Test	Non-Green	12