

[BITE-SIZED POWER QUERY]

ADD A LIST AS A NEW TABLE COLUMN

MyTable

	ABC 123	Product		Date		ABC 123	Amount	
1		A		12/1/2021			76	
2		A		1/20/2022			15	
3		A		3/25/2022			58	
4		A		5/27/2022			41	
5		A		8/2/2022			74	
6		A		12/24/2022			27	
7		B		3/15/2021			80	
8		C		5/1/2021			24	
9		C		7/27/2021			43	
10		C		8/29/2021			81	
11		D		12/1/2021			54	
12		D		3/2/2022			83	
13		D		5/21/2022			68	
14		D		7/2/2022			22	
15		D		12/31/2022			49	
16		E		2/23/2021			24	
17		E		5/29/2021			58	
18		E		7/7/2021			32	
19		E		8/3/2021			25	



MyList

	List
1	76
2	91
3	58
4	99
5	74
6	27
7	80
8	24
9	67
10	81
11	54
12	83
13	151
14	22
15	49
16	24
17	58
18	90
19	115

Option 1: **Table.AddColumn**

1 For each row in the table

```
Option1 = Table.AddColumn(  
    MyTable,  
    "Running Total",  
    each MyList{ Table.PositionOf(MyTable, _) }  
    ),
```

The underscore
is a row in the
table.

3 Get the list item at
the same position
using list-indexing

2 Get the position of the
row in the table using
Table.PositionOf

Option 2: **Table.FromColumns**

4 Pass the new list of columns and column names to `Table.FromColumns`

1 Convert the table into a list of lists where each sub-list is one column using `Table.ToColumns`

2 Merge the list of existing columns with the new list using `&`

```
Option2 = Table.FromColumns(  
    Table.ToColumns(MyTable) & {MyList},  
    Table.ColumnNames(MyTable) & {"Running Total"}  
),
```

3 Merge the list of existing column names with the column name of the new column

Option 3: Table.FromRecords

4 Convert the list of transformed records into a table using `Table.FromRecords`

1 Use `Table.TransformRows` to edit each record in the table

```
Method3 = Table.FromRecords(  
    Table.TransformRows(  
        MyTable,  
        each _ & [Running Total  
            = MyList{  
                Table.PositionOf(MyTable, _)  
            }  
        ],  
    ),  
)
```

3 Merge the new record with the existing record

2 Get the list item in the same way as Option1 and create a single-field record