19-02-2023:

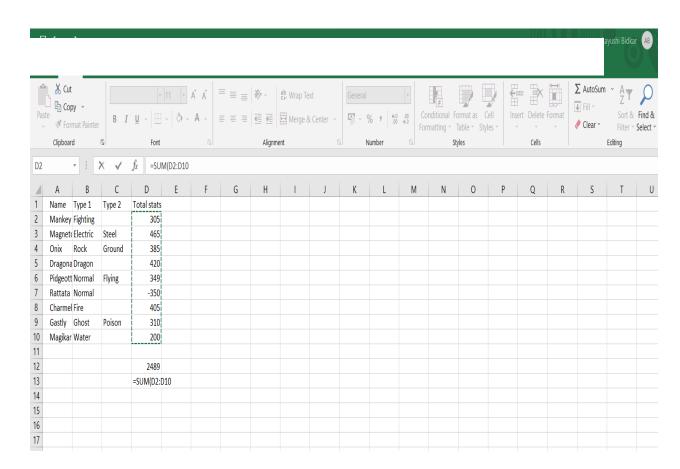
We will start live at 9 pm IST

1.Excel SUM Function:

- SUM function adds numbers in a range.
- The =SUM function adds cells in a range, both negative and positive

How to use the **=SUM** function:

- 1. Select a cell
- 2. Type =SUM
- 3. Double click the SUM command
- 4. Select a range
- 5. Hit enter



2.SUMIF Function

SUMIF function calculates the sum of values in a range based on a true or false condition.

=SUMIF(range, criteria, [sum_range])

```
=SUMIF(B2:B10; E3; C2:C10)
=SUMIF(B2:B10; E4; C2:C10)
=SUMIF(B2:B10; E5; C2:C10)
SUMIF (range; criteria; [sum_range])
```

Name	Type 1	Total			
Bulbasaı	Grass	318	Type	Total Sum	
lvysaur	Grass	405	Grass	1248	
Venusau	Grass	525	Fire	1248	
Charmai	Fire	309	Water	1249	
Charmel	Fire	405			
Charizar	Fire	534			
Squirtle	Water	314			
Wartort	Water	405			
Blastoise	Water	530			

3. Excel AVERAGE Function

- AVERAGE function calculates the average (arithmetic mean).
- It is typed =AVERAGE

• It adds the range and divides it by the number of observations.

Example:

The average of (2, 3, 4) is 3. 3 observations (2, 3 and 4)The sum of the observations (2 + 3 + 4 = 9)(9 / 3 = 3)The average is 3

Trainer	Pokeball	Great Ball	Ultraball	Master Ba	Average	
lva	10	4	1	1	4	
Liam	12	3	0	1	4	
	15	1	3	1	5	
Jenny Iben			6	_	3	
	4	2	_	0	_	
Adora	10	4	1	1	4	
Kasper	9	2	1	0	3	
Trainer	Pokeball	Great Ball	Ultraball	Master Ba	Average	
lva	10	4	Hello	1	5	
Liam	12	3	0	hello	5	
Jenny	15	1	3	1	5	
Iben	4	2	hello	0	2	
Adora	hello	4	1	1	2	
Kasper	9	2	1	0	3	

 The function ignores cells with text and completes the calculation

4. Product Excel Function

- PRODUCT Excel calculate multiplication of the given number provided to this function as arguments.
- For example, if we give the formula arguments 2 and 3 as =PRODUCT(2,3), the result is 6.

Example

- B2 has an empty cell, so the result should be an empty value in cell C2.
- we will use the IF condition along with the OR function.
- If either of the cell values is nothing returned, nothing else returns the product of the numbers

=IF(OR(D5=",E5="),"",PRODUCT(D5,E5))

v1		v2	result	
	2	3	6	
	9		9	
	2	9	18	
		8	8	
	5	2	10	