

## Experiment 7

Pivot tables in excel:

Sample Data:

	PRODUCT	ORIGIN	DAY OF SALE	SOLD UNITS
1				
2	Laptop	USA	01-01-2023	20
3	Smartphone	China	02-01-2023	15
4	Headphones	Japan	03-01-2023	10
5	Tablet	South Korea	04-01-2023	25
6	Camera	Germany	05-01-2023	18
7	Smartwatch	USA	06-01-2023	12
8	Speaker	France	07-01-2023	30
9	Monitor	Taiwan	08-01-2023	22
10	Keyboard	China	09-01-2023	16
11	Mouse	South Korea	10-01-2023	28
12	Printer	Germany	11-01-2023	14
13	Router	Japan	12-01-2023	19
14	SSD	USA	13-01-2023	23
15	Graphics Card	Taiwan	14-01-2023	21
16	External HDD	France	15-01-2023	17
17	Earphones	China	16-01-2023	13

50 such rows

Pivot table where time is taken on monthly granularity:

	A	B	C	D
1	ORIGIN	(All)		
2				
3	Sum of SOLD UNITS	Column Labels		
4		Jan	Feb	Grand Total
5				
6	Row Labels			
7	Camera	43	25	68
8	Earphones	13	52	65
9	External HDD	17	29	46
10	Graphics Card	37	21	58
11	Headphones	23	14	37
12	Keyboard	36		36
13	Laptop	54	27	81
14	Microphone	11		11
15	Monitor	22	56	78
16	Mouse	28		28
17	Mousepad	26	16	42
18	Printer	28	18	46
19	Projector	29	20	49
20	Router	37	15	52
21	Smartphone	37		37
22	Smartwatch	31	19	50
23	Speaker	30		30
24	SSD	50	48	98
25	Tablet	40	22	62
26	Webcam	24	23	47
27	Grand Total	616	405	1021

Pivot table where time is taken in daily granularity:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	
1	ORIGIN	(All)																							
2																									
3	Sum of SOLD UNITS	Column Labels																							
4		Jan																							
5		01-Jan	02-Jan	03-Jan	04-Jan	05-Jan	06-Jan	07-Jan	08-Jan	09-Jan	10-Jan	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan	20-Jan	21-Jan	22-Jan	23-Jan	
6	Row Labels																								
7	Camera						18																		
8	Earphones																								
9	External HDD																17								
10	Graphics Card															21									
11	Headphones																								
12	Keyboard										16														
13	Laptop																								
14	Microphone																								
15	Monitor										22														
16	Mouse												28												
17	Mousepad																								
18	Printer													14											
19	Projector																								
20	Router																								
21	Smartphone													19							29				
22	Smartwatch																							18	
23	Speaker																								
24	SSD																								
25	Tablet						25									23							27		
26	Webcam																								
27	Grand Total		20	15	10	25	18	12	30	22	16	28	14	19	23	21	17	13	24	11	26	29	27	14	18