

# Exercise 1: Introduction to Creating Pivot Tables in Excel

## Task A: Format data as a table

Screenshot of Microsoft Excel showing a table of startup funding data. The table has columns for Sr No, Date, Startup Name, Industry Vertical, SubVertical, City Location, and Investors Name. The data includes various startups like Lenskart.com, Healthians, Licious, InCred, Trell, Rivigo, Ecozen, Rein Games, CarDekho, Dhruba Space, Paytm, Aye Finance, Clumio, Digital Mall Asia, Furtados School of Music, Healthians, Medikabazaar, Burger Singh, Ninjacart, Vogo Automotive, Misters, Freshworks, Sunstone Eduversity Pvt. Ltd, SuperGaming, eBikeGo, The Man Company, Dunzo, Udaan, PFL Technologies, Cashflo, Digital F5, 3rdFix, 75F, Myelin Foundry, Atomberg Technology, GOQii, Vyapar App, and many more.

Sr No	Date	Startup Name	Industry Vertical	SubVertical	City Location	Investors Name
17	20/12/2019	Lenskart.com	E-Commerce	Online Eyewear Shopping Portal	Faridabad	SoftBank Vision Fund
12	17/12/2019	Healthians	B2B-focused foodtech startup	Food Solutions For Corporate	Bengaluru	Paytm, NPTK, Sabre Partners and Neoplux
13	16/12/2019	Licious	E-Commerce	Online Meat And Seafood Ordering Startup	Bengaluru	Vertex Growth Fund
14	16/12/2019	InCred	Finance	Non-Banking Financial Company	Mumbai	
15	14/12/2019	Trell	Video	Experience Discovery Platform	Bengaluru	Ruizheng Investment
11	13/12/2019	Rivigo	Technology	Logistics Services and Solutions	Gurgaon	SAIF Partners, Spring Canter Investment Ltd.
8	12/12/2019	Ecozen	Technology	Agritech	Pune	Sathguru Catalyst Advisors
16	11/12/2019	Rein Games	Gaming	Real money based gaming startup	Noida	Manipal Education and Medical Group (MEMG)
9	06/12/2019	CarDekho	E-Commerce	Automobile	Gurgaon	Ping An Global Voyager Fund
10	03/12/2019	Dhruba Space	Aerospace	Satellite Communication	Bengaluru	Mumbai Angels, Ravikanth Reddy
32	25/11/2019	Paytm	FinTech	Mobile Wallet	Noida	Vijay Shekhar Sharma
24	20/11/2019	Aye Finance	FinTech	Financial Services To MSMEs	Gurgaon	FinTech
26	20/11/2019	Clumio	SaaS	Recovery software	San Jose,	Altimeter Capital, Sutter Hill Ventures
28	19/11/2019	Digital Mall Asia	E-Commerce	Virtual e-commerce platform	Delhi	Amour Infrastructure
31	19/11/2019	Furtados School of Music	Education	Music Education	Tulangan	IAN Fund and DSG Consumer Partners
22	18/11/2019	Healthians	Health and Wellness	Healthcare services	Gurgaon	DG Daiwa Ventures, DG Incubation
29	18/11/2019	Medikabazaar	Healthcare	B2B platform for medical supplies	Mumbai	Ackermans & van Haaren, HealthQuad, Rebright Partners, Toppan Printing
21	17/11/2019	Burger Singh	Food and Beverage	Indian Burger Brand	Gurgaon	RB Investments
23	15/11/2019	Ninjacart	B2B Marketing	Agritech	Bengaluru	Trifecta Capital Advisors
30	15/11/2019	Vogo Automotive	Last Mile Transportation	Scooter sharing app	Kormangala	Matrix Partners, Stellaris Venture Partners, Kalaari Capital
19	14/11/2019	Misters	Health and wellness	Men's Health and Wellness brand	Gurgaon	Sauce.vc, Rainforest Ventures
18	13/11/2019	Freshworks	Software	Business and customer engagement tools	San Francisco	Sequoia, CapitalG, Accel
20	13/11/2019	Sunstone Eduversity Pvt. Ltd	Education	Elearning	Gurgaon	Prime Venture Partners, LetsVenture, PS1 Venture and GlobalLogic co-founder Rajul Garg
25	12/11/2019	SuperGaming	Video Games	Social gaming platform	Pune	Dream Incubator
27	11/11/2019	eBikeGo	Last Mile Transportation	Electric bike rental	Amritsar	Startup Buddy
35	21/10/2019	The Man Company	Consumer Goods	Beauty and Grooming	Gurgaon	Ayushmann Khurana
33	04/10/2019	Dunzo	Customer Service	Delivery Service	Bengaluru	Lightbox
34	02/10/2019	Udaan	B2B	Business development	Bengaluru	Altimeter Capital, DST Global
36	05/09/2019	PFL Technologies	FinTech	Financial Services	Pune	Matrix Partners India, Sequoia India
37	04/09/2019	Cashflo	FinTech	Invoice discounting platform and SME lending marketplace	Mumbai	SAIF Partners
38	04/09/2019	Digital F5	Advertising, Marketing	Digital marketing firm	Mumbai	TIW Private Equity
39	04/09/2019	3rdFix	SaaS	Education Technology	Hyderabad	Exfinity Venture Partners
40	04/09/2019	75F	IoT	Building automation system	Burnsville	Breakthrough Energy Ventures
41	04/09/2019	Myelin Foundry	Information Technology	Deep-technology	Bengaluru	Endiya Partners
42	04/09/2019	Atomberg Technology	Consumer Technology	Consumer Electronics, Home Appliances	Mumbai	A91 Partners
43	04/09/2019	GOQii	Health and Wellness	Wearable Fitness Bands	Menlo Park	Bennett Coleman and Company Ltd (BCCL)
44	03/09/2019	Vyapar App	Accounting	Mobile-based Accounting Software	Bengaluru	India Quotient, Axilor Ventures

**Task B: Create a pivot table and use fields to arrange data in a pivot table**

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File Home Insert Page Layout Formulas Data Review View Automate Developer Help

Cut Copy Format Painter Paste

Font: Calibri 11pt, Alignment: General, Number: General, Styles: Normal, Conditional Formatting: Neutral, Cells: Insert, AutoSum, Sort & Filter, Add-ins.

D6

**Row Labels** Count of Amount in USD

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
3	Row Labels	Count of Amount in USD																								
4	Bengaluru	31																								
5	Gurgaon	15																								
6	Mumbai	12																								
7	New Delhi	9																								
8	Noida	4																								
9	Singapore	3																								
10	Pune	3																								
11	Gurugram	3																								
12	Hyderabad	3																								
13	San Francisco	2																								
14	Delhi	2																								
15	Kormangala	2																								
16	Bengaluru and Gurugram	1																								
17	Chembur	1																								
18	Mumbai/Bengaluru	1																								
19	Andheri	1																								
20	Chennai	1																								
21	San Jose,	1																								
22	Burnsville	1																								
23	Bhopal	1																								
24	Nairobi	1																								
25	Tulangan	1																								
26	New York	1																								
27	Karnataka	1																								
28	Palo Alto	1																								
29	Faridabad	1																								
30	Haryana	1																								
31	Menlo Park	1																								
32	Santa Monica	1																								
33	India/Singapore	1																								
34	Taramani	1																								
35	India/US	1																								
36	Amritsar	1																								
37	Jaipur	1																								
38	<b>Grand Total</b>	<b>111</b>																								
39																										

Pivot1 indian-startup-funding +

Ready Accessibility: Good to go

### Task C: Perform a simple calculation in a pivot table

Screenshot of Microsoft Excel showing a PivotTable setup for calculating startup funding.

The PivotTable Fields pane on the right shows the following fields:

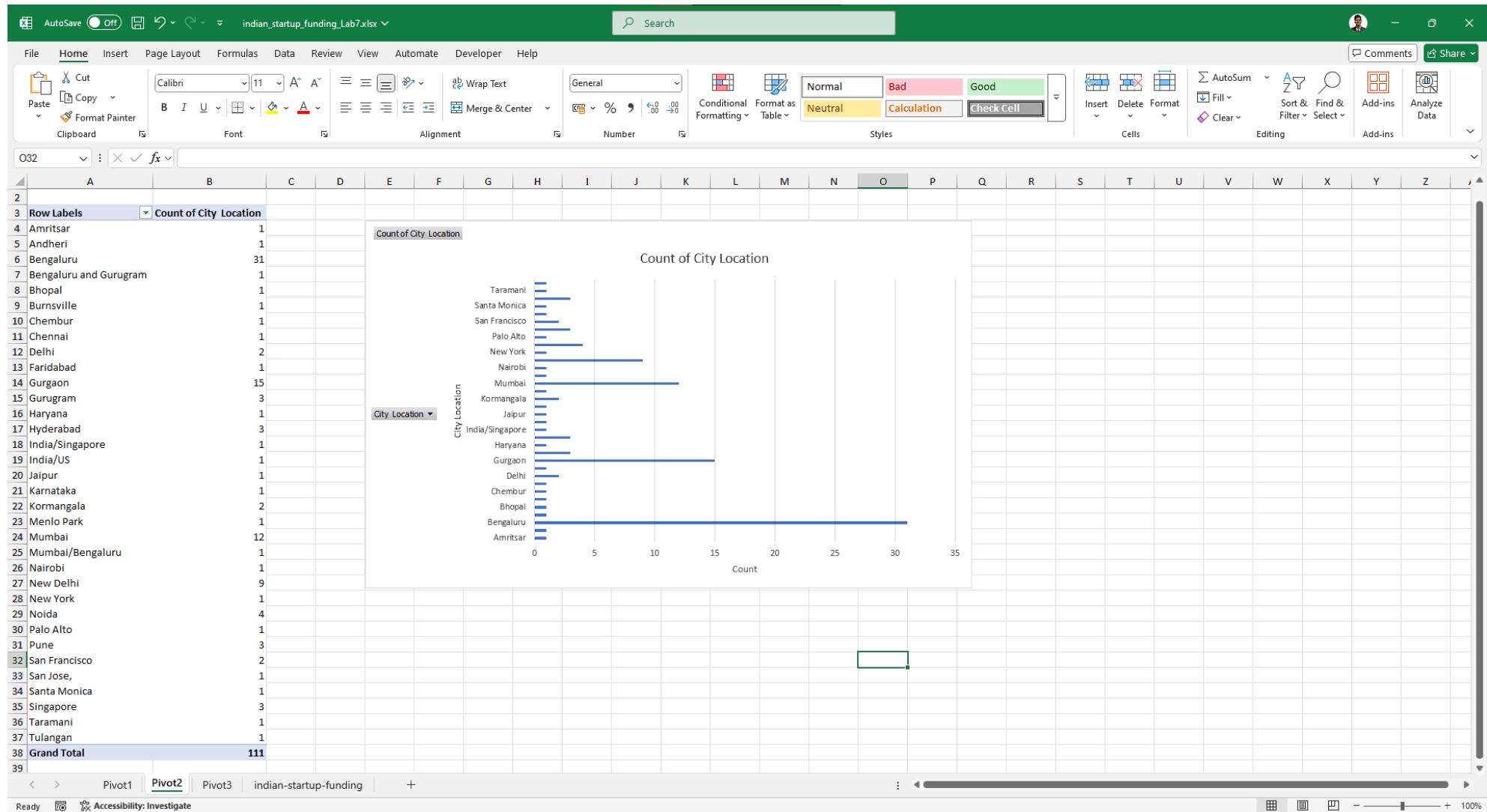
- Row Labels: Startup Name, Industry Vertical, City Location, Amount in USD
- Values: Sum of Amount in USD

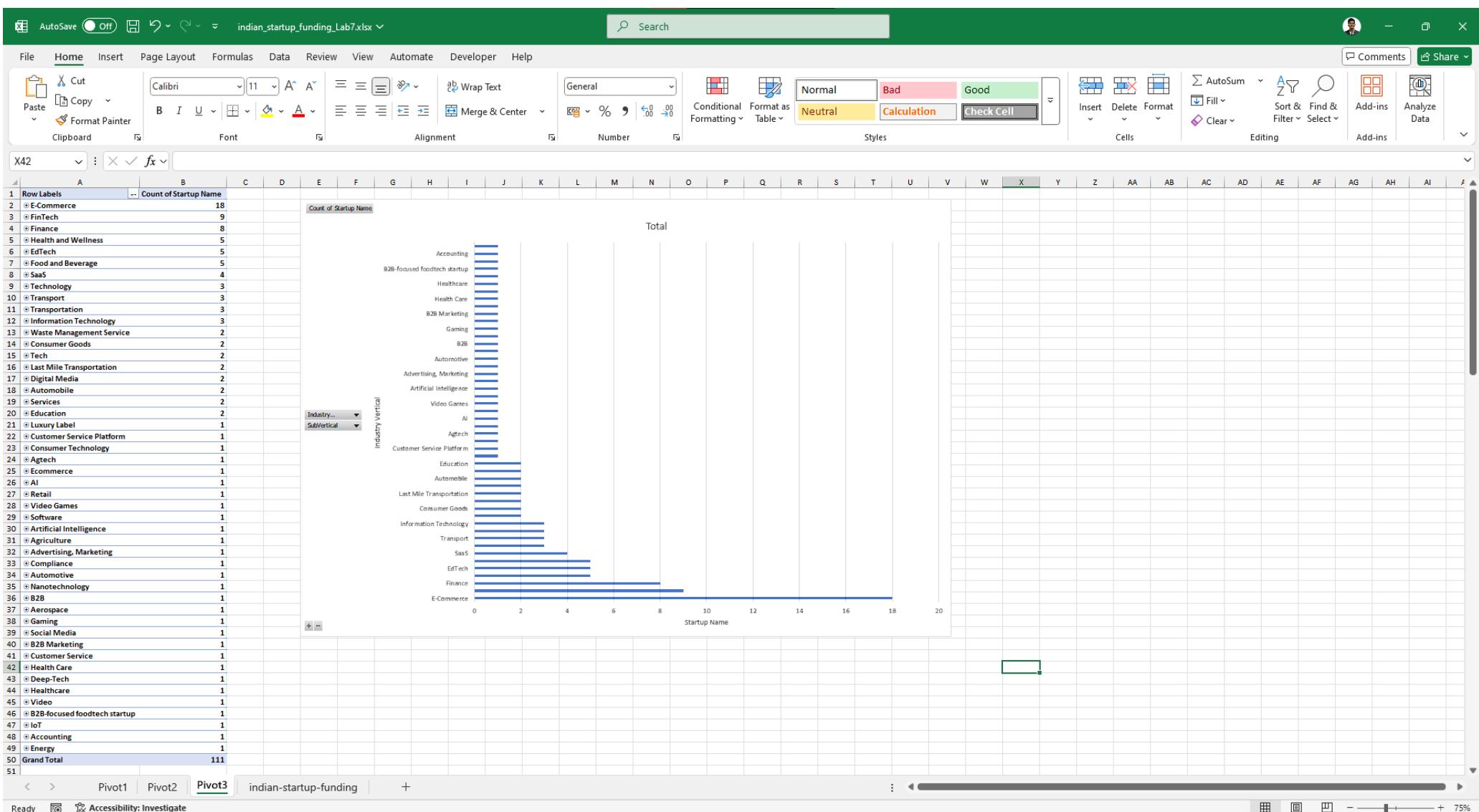
The PivotTable itself displays the following data:

	Sum of Amount in USD
* Amritsar	\$ 300,000.00
* Andheri	\$ 5,750,000.00
* Bengaluru	\$ 5,314,247,300.00
* Bengaluru and Gurugram	\$ 3,000,000.00
* Bhopal	\$ 430,665.00
* BurnsVille	\$ 18,000,000.00
* Chembur	\$ 319,605.00
* Chennai	\$ 5,000,000.00
* Delhi	\$ 220,000,000.00
* Faridabad	\$ 231,000,000.00
* Gurgaon	\$ 250,287,240.54
* Gurugram	\$ 16,200,000.00
* Haryana	\$ 15,500,000.00
* Hyderabad	\$ 81,000,000.00
* India/Singapore	\$ 226,000,000.00
* India/US	\$ 22,000,000.00
* Jaipur	\$ 110,000,000.00
* Karnataka	\$ 3,584,000.00
* Kormangala	\$ 284,000,000.00
* Menlo Park	\$ 450,000,000.00
* Mumbai	\$ 359,264,315.00
* Mumbai/Bengaluru	\$ 3,400,000.00
* Nairobi	\$ 2,739,034.68
* New Delhi	\$ 126,436,375.00
* New York	\$ 52,000,000.00
* Noida	\$ 1,089,080,000.00
* Palo Alto	\$ 51,000,000.00
* Pune	\$ 11,800,000.00
* San Francisco	\$ 187,000,000.00
* San Jose,	\$ 135,000,000.00
* Santa Monica	\$ 110,000,000.00
* Singapore	\$ 78,500,000.00
* Taramani	\$ 38,080,000.00
* Tulungan	\$ 200,000,000.00
<b>Grand Total</b>	<b>\$ 9,700,918,535.22</b>

## Exercise 2: Pivot Table Features

### Task A: Use of the Recommended Charts feature (Optional: If you have a full Office for the web plan)





## Task B: Use of the Filters feature

The image shows two side-by-side screenshots of Microsoft Excel, version 2016, demonstrating the use of filters on a PivotTable.

**Left Screenshot:** This screenshot shows a PivotTable with the following data:

		Sum of Amount in USD
④ Burnsville	\$	18,000,000.00
④ Delhi	\$	220,000,000.00
④ New York	\$	52,000,000.00
Grand Total	\$	290,000,000.00

The PivotTable has "Row Labels" in column A and "Sum of Amount in USD" in column B. The PivotTable is located on the "Pivot1" sheet. The ribbon tabs are Home, Insert, Page Layout, Formulas, Data, Review, View, Automate, Developer, and Help. The status bar at the bottom indicates "Ready" and "Accessibility: Investigate".

**Right Screenshot:** This screenshot shows the same PivotTable with a filter dialog box open over it. The filter dialog is set to "City Location" and displays the following options:

- Sort field: City Location
- Sort orders:
  - Sort A to Z
  - Sort Z to A
- Clear Filter From "City Location"
- Label Filters
- Value Filters
- Search:
  - (Select All)
  - Amritsar
  - Andheri
  - Bengaluru
  - Bengaluru and Gurugram
  - Bhopal
  - Burnsville**  (highlighted)
  - Chembur
  - Chennai

The "OK" button is visible at the bottom right of the filter dialog. The status bar at the bottom indicates "Ready" and "Accessibility: Investigate".

## Task C: Use of the Slicers feature

Screenshot of Microsoft Excel showing the use of the Slicers feature in a PivotTable.

The PivotTable displays the "Sum of Amount in USD" for various categories. The categories in the Row Labels are:

- E-Commerce (\$ 220,000,000.00)
- Delhi (\$ 220,000,000.00)
- Digital Mall Asia (\$ 220,000,000.00)
- FinTech (\$ 52,000,000.00)
- New York (\$ 52,000,000.00)
- Biz2Credit (\$ 52,000,000.00)
- IoT (\$ 18,000,000.00)
- Burnsville (\$ 18,000,000.00)
- 75F (\$ 18,000,000.00)
- Grand Total** (\$ 290,000,000.00)

The PivotTable includes three Slicers:

- Date Slicer:** Shows periods from All Periods to YEARS, with 2019 and 2020 selected.
- City Location Slicer:** Shows locations such as Bengaluru, Burnsville, Delhi, and New York.
- Investors Name Slicer:** Shows investors such as Amour Infrastructure, Breakthrough Energy Ventures, Indian Angel Network, Westbridge Capital, 021 Capita, Binny Bansal, A91 Partners, Ackermans & van Haaren, HealthQuad, Rebright Partners, Top..., Alteria Capital, Altimeter Capital, DST Global, Altimeter Capital, Sutter Hill Ventures, Anicut Capital, Artha Venture, Ayushman Khurana, Azim Premji, Binny Bansal, BAC Acquisitions, Unifi AIF, BRD Securities, Northern R Capital, Bennett Coleman and Company Ltd (BCCL), Binny Bansal, Blume Ventures, and Blume Ventures and RTP Global.

The ribbon tabs at the bottom show "Pivot1" and "indian-startup-funding".

## Task D: Use of the Timelines feature

Screenshot of Microsoft Excel showing the use of the Timelines feature in a PivotTable.

The PivotTable displays the "Sum of Amount in USD" across various categories. The "City Location" slicer shows locations like Amritsar, Andheri, Bengaluru, etc. The "Date" slicer shows quarters from Q1-2019 to Q4-2020. The "Investors Name" slicer lists investors such as O21 Capita, Binny Bansal, A91 Partners, etc.

**PivotTable Data:**

	A	B
1 Row Labels	Sum of Amount in USD	
2 Accounting	\$ 5,000,000.00	
3 Bengaluru	\$ 5,000,000.00	
4 Vyapar App	\$ 5,000,000.00	
5 Advertising, Marketing	\$ 6,000,000.00	
6 Mumbai	\$ 6,000,000.00	
7 Digital F5	\$ 6,000,000.00	
8 Agriculture	\$ 2,739,034.68	
9 Nairobi	\$ 2,739,034.68	
10 Sistema.bio	\$ 2,739,034.68	
11 Agtech	\$ 140,000,000.00	
12 Mumbai	\$ 140,000,000.00	
13 FreshVnF	\$ 140,000,000.00	
14 AI	\$ -	
15 Gurgaon	\$ -	
16 FleetX	\$ -	
17 Artificial Intelligence	\$ 38,080,000.00	
18 Taramani	\$ 38,080,000.00	
19 Uniphore	\$ 38,080,000.00	
20 Automobile	\$ 161,000,000.00	
21 Bengaluru	\$ 51,000,000.00	
22 Ather Energy	\$ 51,000,000.00	
23 Jaipur	\$ 110,000,000.00	
24 CarDekho	\$ 110,000,000.00	
25 Automotive	\$ 37,000,000.00	
26 San Francisco	\$ 37,000,000.00	
27 Zendrive	\$ 37,000,000.00	
28 Compliance	\$ 145,000.00	
29 New Delhi	\$ 145,000.00	
30 WizCounsel	\$ 145,000.00	
31 Consumer Goods	\$ 500,000.00	
32 Bengaluru	\$ 500,000.00	
33 Lo! Foods	\$ 500,000.00	
34 Consumer Technology	\$ 10,000,000.00	
35 Mumbai	\$ 10,000,000.00	
36 Atomberg Technology	\$ 10,000,000.00	
37 Customer Service Platform	\$ 51,000,000.00	
38 Palo Alto	\$ 51,000,000.00	

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File Home Insert Page Layout Formulas Data Review View Automate Developer Help

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Font Alignment Number Styles

Clipboard

General Conditional Formatting Table Normal Bad Good Neutral Calculation Check Cell

Insert Delete Format Cells

AutoSum Fill Sort & Filter Select Clear

Add-ins Analyze Data

K36

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1 Row Labels		Sum of Amount in USD																	
2 FinTech	\$	52,000,000.00																	
3 New York	\$	52,000,000.00																	
4 Biz2Credit	\$	52,000,000.00																	
5 Grand Total	\$	52,000,000.00																	
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Pivot1 indian-startup-funding +

Ready Accessibility: Investigate 100%

Date

2020 YEARS

Investors Name

021 Capita, Binny Bansal  
A91 Partners  
Ackermans & van Haaren, HealthQuad, Rebright Partners, Top...  
Alteria Capital  
Altimeter Capital, DST Global  
Altimeter Capital, Sutter Hill Ventures  
Amour Infrastructure  
Anicut Capital  
Artha Venture  
Ayushmann Khurana  
Azim Premji, Binny Bansal  
BAC Acquisitions, Unifi AIF, BRD Securities, Northern R Capital  
Bennett Coleman and Company Ltd (BCCL)  
Binny Bansal  
Blume Ventures  
Blume Ventures and RTP Global  
Breakthrough Energy Ventures  
C4D Partners  
Composite Capital Management, Sequoia Capital India, Tiger ...