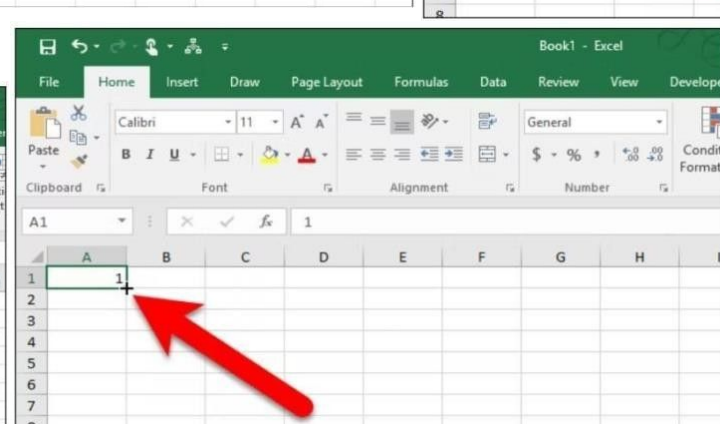
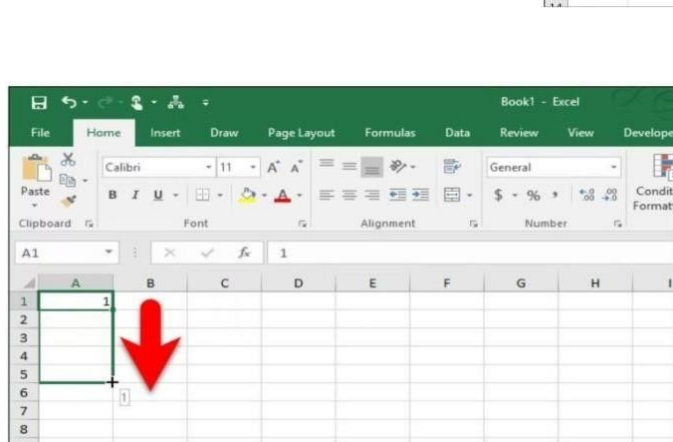
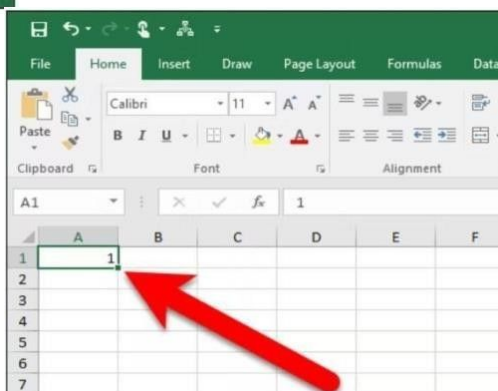
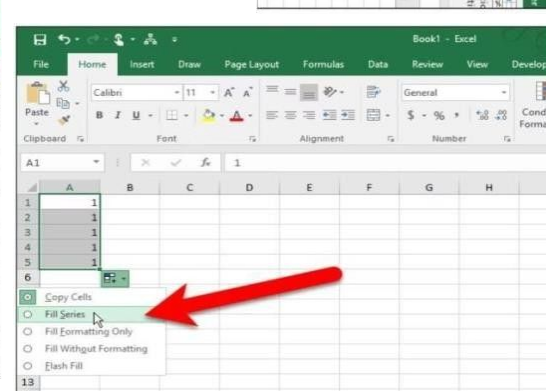
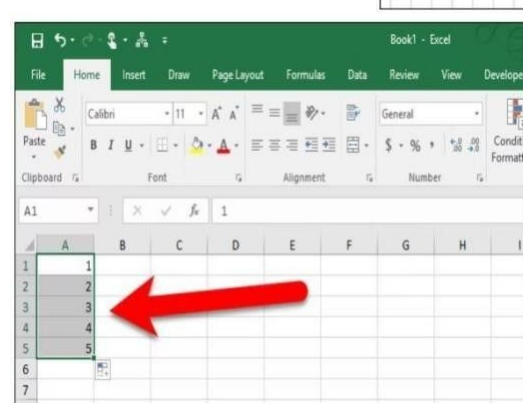
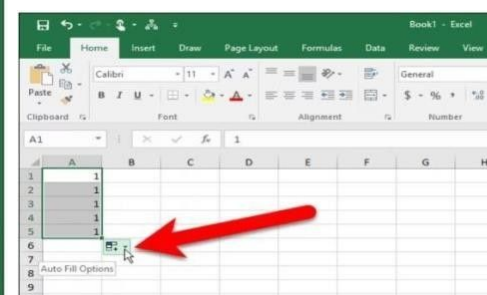
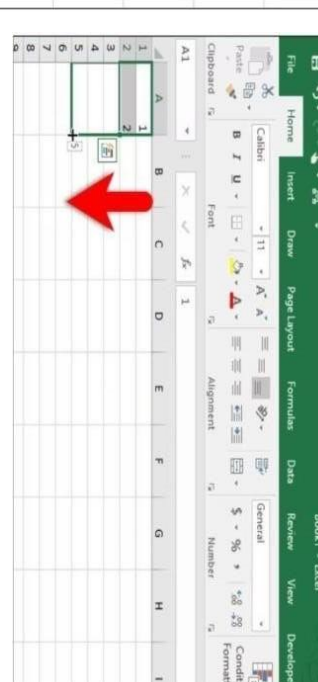
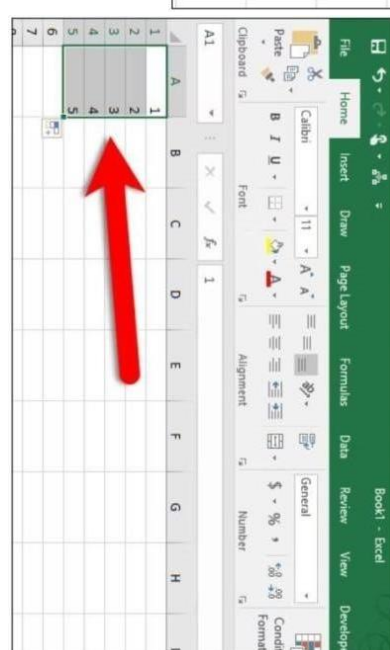
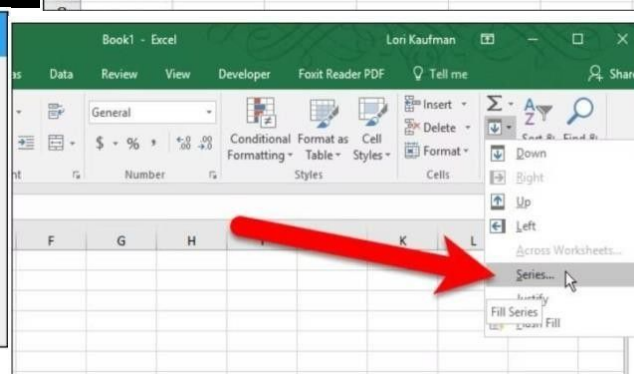
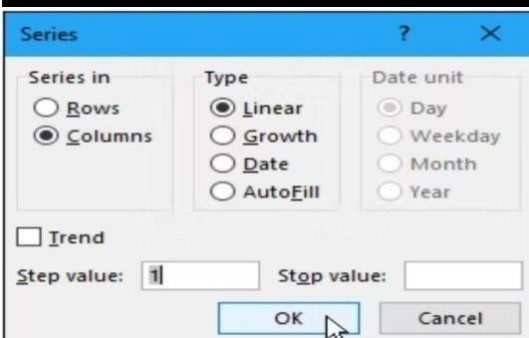
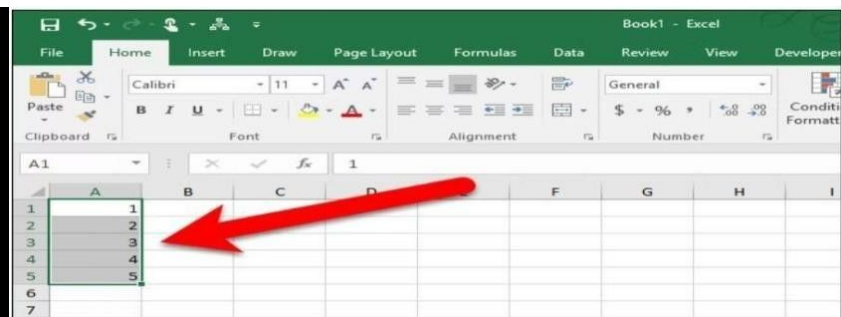
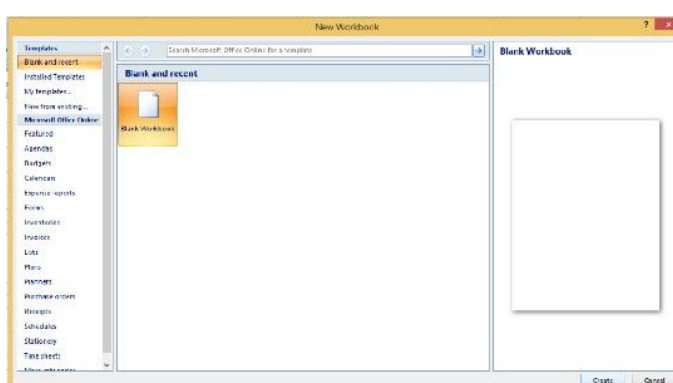
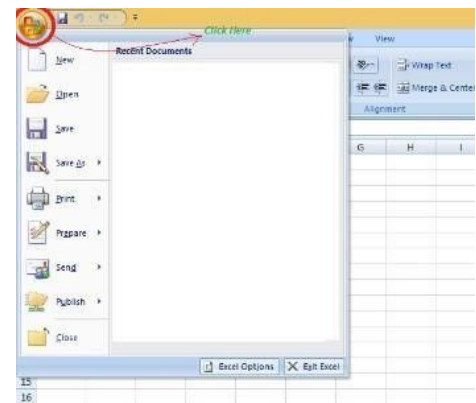
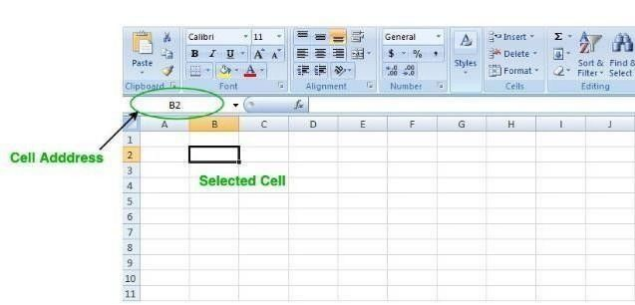
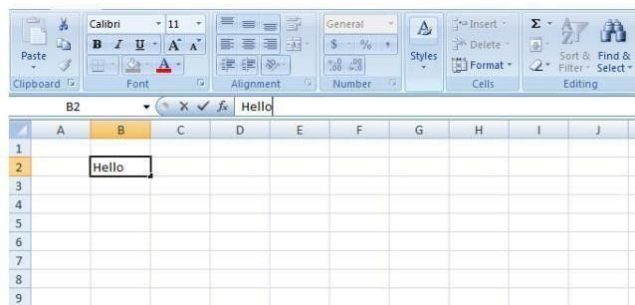


LAB 1

EmployeeID	EmployeeName	Department	Salary	HireDate
1	John Smith	Sales	50000	2019-05-15
2	Jane Doe	Marketing	55000	2020-02-10
3	Bob Johnson	IT	60000	2018-09-21
4	Sarah Brown	HR	48000	2021-04-03
5	Michael Lee	Finance	52000	2017-11-30
6	Laura White	IT	58000	2019-12-14
7	Mark Davis	Sales	53000	2020-07-22
8	Emily Adams	Marketing	56000	2022-01-18
9	Chris Evans	Finance	51000	2018-05-09
10	Lisa Taylor	HR	49000	2021-09-05



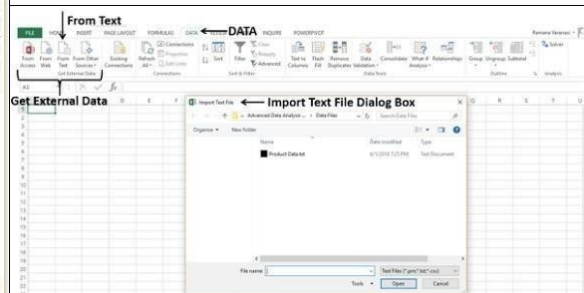
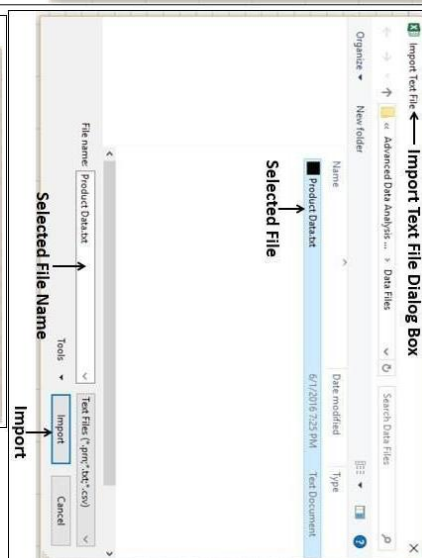
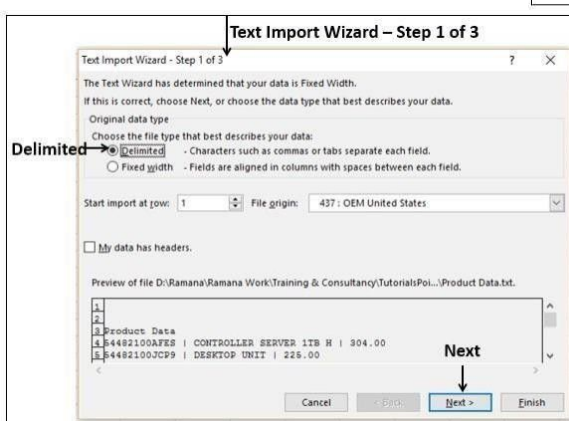
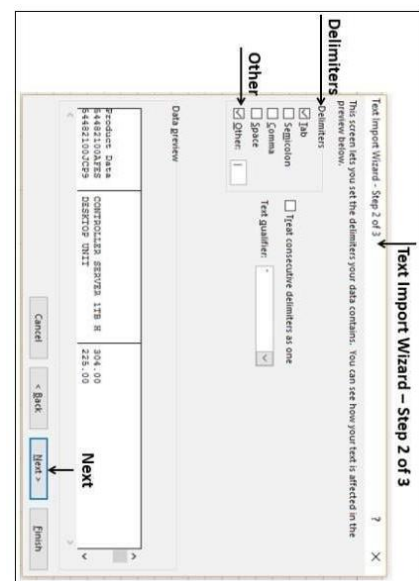
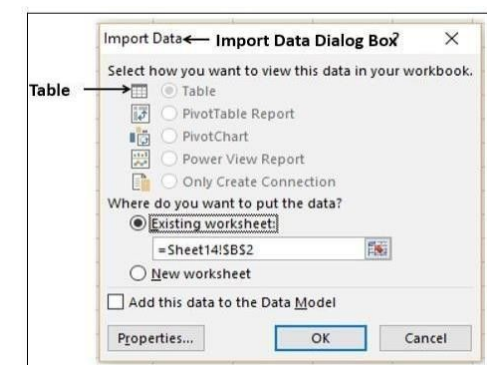
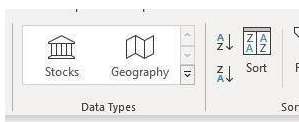
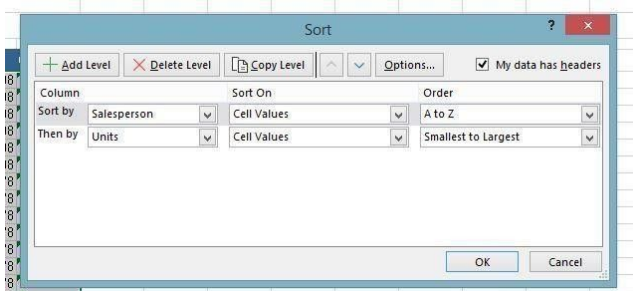


LAB 2

Product	Region	Date	Sales	Quantity
ProductA	East	2023-03-01	5000	20
ProductC	East	2023-03-08	5500	16
ProductC	East	2023-03-04	6000	18

Product	Region	Date	Sales	Quantity
ProductA	East	2023-03-01	5000	20
ProductB	West	2023-03-02	7000	15
ProductA	North	2023-03-03	4000	22
ProductC	East	2023-03-04	6000	18
ProductB	West	2023-03-05	8000	20
ProductA	North	2023-03-06	7200	14
ProductB	South	2023-03-07	6300	22
ProductC	East	2023-03-08	5500	16
ProductA	South	2023-03-09	4800	19
ProductC	West	2023-03-10	7800	25

Product	Region	Date	Sales	Quantity
ProductB	West	2023-03-05	8000	20
ProductC	West	2023-03-06	7800	25
ProductA	North	2023-03-06	7200	14
ProductA	East	2023-03-01	5000	20
ProductC	East	2023-03-08	5500	16
ProductB	South	2023-03-07	6300	22
ProductC	East	2023-03-04	6000	18
ProductA	South	2023-03-09	4800	19
ProductA	North	2023-03-03	4000	22



Student list - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Clipboard Font Alignment Number Editing

Calibri 11 A A

B I U

Wrap Text

General

\$ % + * 00 4%

Conditional Formatting

Format as Table

Cell Styles

Insert

Delete

Format

AutoSum

Fill

Sort & Find & Filter

Clear

Filter

Select

DS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Name	Mobile No.																
2	MEGHANA P B	9036681504																
3	MIRZA GALIB V	8590428377																
4	MITHUN S P	8951535620																
5	MOHAMED LAYAN A	8904355615																
6	MOHAMMAD ARMU	9901213920																
7	MOHAMMED HAMZA	7204356053																
8	MOHAMMED ZAID	9880109543																
9	MOHITH N	9008702665																
10	MURIKINATE LIEKYA	9063225088																
11	N BHASKAR REDDY	6360062458																
12	N DIVYA SRI SRUTHI	8217213546																
13	NANDISH M	8088500040																
14	NAVYATA	9591530682																
15	NITHIN R	9148143606																
16	NOVSHITA A	9742740509																
17	PARMINDER SINGH	9148106140																
18	PAVANKALYAN G T	8762442999																
19	POOJA	9632188474																
20	PRABHAKAR G CHITR	9035004650																
21	PRASHAMSA PRASH	6364545533																
22	PRATHAPA MANOJ	7892104655																
23	PRAVEEN	7483615125																

Sheet1

Student list - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

PivotTable Recommended PivotTables

Table

Pictures Online Pictures Illustrations

Store

My Apps

Recommended Charts

Charts

PivotChart

Power View

Line Column Win/Loss

Sparklines

Slicer Timeline

Hyperlink

Text Box

Header & Footer

Equation

Symbol

Ω

A1

Mobile No.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Name	Mobile No.																
2	MEGHANA P B	9036681504																
3	MIRZA GALIB V	8590428377																
4	MITHUN S P	8951535620																
5	MOHAMED LAYAN A	8904355615																
6	MOHAMMAD ARMU	9901213920																
7	MOHAMMED HAMZA	7204356053																
8	MOHAMMED ZAID	9880109543																
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12	N DIVYA SRI SRUTHI	8217213546																
13	NANDISH M	8088500040																
14	NAVYATA	9591530682																
15	NITHIN R	9148143606																
16	NOVSHITA A	9742740509																
17	PARMINDER SINGH	9148106140																
18	PAVANKALYAN G T	8762442999																
19	POOJA	9632188474																
20	PRABHAKAR G CHITR	9035004650																
21	PRASHAMSA PRASH	6364545533																
22	PRATHAPA MANOJ	7892104655																
23	PRAVEEN	7483615125																

Sheet1

POINT

AVERAGE: 8558022991 COUNT: 128 SUM: 5.39155E+11

Student list - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Table Name: Table2

Summarize with PivotTable

Remove Duplicates

Convert to Range

Properties

Tools

Insert Slicer

Export

Refresh

Open in Browser

Unlink

External Table Data

Table Style Options

Header Row

First Column

Filter Button

Total Row

Last Column

Banded Rows

Banded Columns

Table Styles

A1

Name

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Name	Mobile No.																
2	MEGHANA P B	9036681504																
3	MIRZA GALIB V	8590428377																
4	MITHUN S P	8951535620																
5	MOHAMED LAYAN A	8904355615																
6	MOHAMMAD ARMU	9901213920																
7	MOHAMMED HAMZA	7204356053																
8	MOHAMMED ZAID	9880109543																
9	MOHITH N	9008702665																
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11	N BHASKAR REDDY	6360062458																
12	N DIVYA SRI SRUTHI	8217213546																
13	NANDISH M	8088500040																
14	NAVYATA	9591530682																
15	NITHIN R	9148143606																
16	NOVSHITA A	9742740509																
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18	PAVANKALYAN G T	8762442999																
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20	PRABHAKAR G CHITR	9035004650																
21	PRASHAMSA PRASH	6364545533																
22	PRATHAPA MANOJ	7892104655																
23	PRAVEEN	7483615125																

Sheet1

READY

AVERAGE: 8558022991 COUNT: 128 SUM: 5.39155E+11

File Home Insert Draw Page Layout Formulas Data Review View

Function Table PivotTable Picture Shapes Office Add-ins Column Line Pie Bar Area Scatter Other Charts

2-D Line

Line

Display trend over time (dates, years) or ordered categories.

Useful when there are many data points and the order is important.

Book1 - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Clipboard Font Alignment Number

General

Conditional Formatting Styles Cell Styles Insert Delete Format

Chart1

Chart Title

1 2 3 4 5 6 7 8 9 10 11 12

Sheet1

Book1 - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Clipboard Font Alignment Number

General

Conditional Formatting Styles Cell Styles Insert Delete Format

Chart1

Chart Title

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Sheet1

Book1 - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Clipboard Font Alignment Number

General

Conditional Formatting Styles Cell Styles Insert Delete Format

Chart1

Chart Title

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Sheet1

Book1 - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Clipboard Font Alignment Number

General

Conditional Formatting Styles Cell Styles Insert Delete Format

Chart1

Chart Title

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Sheet1

File Home Insert Draw Page Layout Formulas Data Review View

Function Table PivotTable Picture Shapes Office Add-ins Column Line Pie Bar Area Scatter Other Charts

2-D Column

Clustered Column

Compare values across categories by using vertical rectangles.

Use it when the order of categories is not important or for displaying item counts such as a histogram.

Book1 - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Clipboard Font Alignment Number

General

Conditional Formatting Styles Cell Styles Insert Delete Format

Chart1

Chart Title

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Sheet1

The screenshot shows the Microsoft Excel interface. The ribbon is set to the 'FORMULAS' tab. In the 'FUNCTION LIBRARY' group, the 'TRANSPOSE' function is selected. A tooltip for the TRANSPOSE function is displayed, stating: 'Converts a vertical range of cells to a horizontal range, or vice versa'. The formula bar shows '=TRANSPOSE(D4:D5)'. The worksheet displays a 2x2 data range in cells D4:D5 with the text 'Data Analysis' and 'Data Table'. The result of the TRANSPOSE function is shown in cells E4:E5, where the text is oriented vertically.

Book1 - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Paste Cut Copy Format Painter

Clipboard Font Alignment Number

11 A⁺ A⁻ Wrap Text General

B I U Merge & Center \$ % * 0.00

D3 X ✓ f_x =UPPER(B3)

	A	B	C	D	E	F	G
1							
2							
3		data		=UPPER(B3)			
4							
5							
6							

The screenshot displays the Microsoft Excel interface. The ribbon at the top is set to the 'HOME' tab, showing various tool groups like Clipboard, Font, Alignment, and Number. The spreadsheet grid below has columns labeled A through H and rows numbered 1 through 7. Cell D3 is selected and highlighted with a green border, containing the formula '=LOWER(B3)'. Cell B3 contains the text 'ANALYSIS'.

Book1 - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Paste Copy Cut Format Painter

Clipboard Font Alignment

Calibri 11 A A

B I U

Font Merge & Center

General \$ % # 0.0 0.00 >0.0

	A	B	C	D	E	F	G
1							
2							
3		ANALYSIS					
4				analysis			
5							
6							
7							

The screenshot displays the Microsoft Excel interface. The ribbon at the top is set to the 'HOME' tab, showing various tool groups: Clipboard (Cut, Copy, Paste, Format Painter), Font (Font face, Size, Bold, Italic, Underline, Text color, Background color, Font style), Alignment (Align left, Center, Right, Justify, Wrap text, Merge & Center), and Number (Number format, Increase/Decrease decimal places, Percentage, Currency, Date/Time, Text format). The worksheet area shows columns A through F and rows 1 through 6. Cell E3 contains the formula '=trim(C3)'. Cell C3 contains the text 'Data Analysis' and cell C4 contains 'Data Table'.

LAB 7

A	B	C	D	E	F	G	H
Year	Month	Sales Amount	Expenses	Profit	Products Sold	Customer Count	Region
2021	January	5000	3000	2000	450	600	North
2021	February	6200	3500	2700	560	700	South
2021	March	7500	4000	3500	720	800	East
2021	April	6700	3200	3500	680	750	West
2021	May	8500	3800	4700	800	900	North
2021	June	7200	3400	3800	720	800	South
2021	July	9300	4200	5100	950	1000	East
2021	August	8900	4000	4900	880	950	West
2021	September	8100	3900	4200	800	900	North
2021	October	9500	4400	5100	960	1000	South
2021	November	8800	3900	4900	870	920	East
2021	December	10200	4600	5600	1000	1100	West

A	B	C	D	E	F	G	H
Year	Month	Sales Amount	Expenses	Profit	Products Sold	Customer Count	Region
2021	January	\$5,000.00	\$3,000.00	2000	450	600	North
2021	February	\$6,200.00	\$3,500.00	2700	560	700	South
2021	March	\$7,500.00	\$4,000.00	3500	720	800	East
2021	April	\$6,700.00	\$3,200.00	3500	680	750	West
2021	May	\$8,500.00	\$3,800.00	4700	800	900	North
2021	June	\$7,200.00	\$3,400.00	3800	720	800	South
2021	July	\$9,300.00	\$4,200.00	5100	950	1000	East
2021	August	\$8,900.00	\$4,000.00	4900	880	950	West
2021	September	\$8,100.00	\$3,900.00	4200	800	900	North
2021	October	\$9,500.00	\$4,400.00	5100	960	1000	South
2021	November	\$8,800.00	\$3,900.00	4900	870	920	East
2021	December	\$10,200.00	\$4,600.00	5600	1000	1100	West

A
Address
123 Main St, Los Angeles, CA 90001
456 Elm Ave, New York, NY 10001
789 OAK Road, Chicago, IL 60601
101 Pine Dr, San Francisco, CA 94101

A	B	C	D	E
Month	Product	Sales Amount	Units Sold	Region
January	SmartPhone	5000	100	East
February	Laptop	6200	120	West
March	SmartPhone	7500	140	South
April	Tablet	6700	110	North
May	Laptop	8500	160	Central
June	SmartPhone	7200	130	East
July	Tablet	9300	180	West
August	Laptop	8900	170	South
September	SmartPhone	8100	150	North
October	Tablet	9500	190	Central
November	Laptop	8800	160	East
December	Tablet	10200	200	West

DATEVALUE	A	B
$\text{=LEFT}(A2, \text{FIND}(",", A2) - 1)$	Address	Street
	123 Main St, Los Angeles, CA 90001	$\text{=LEFT}(A2, \text{FIND}(",", A2) - 1)$
	456 Elm Ave, New York, NY 10001	
	789 OAK Road, Chicago, IL 60601	
	101 Pine Dr, San Francisco, CA 94101	

DATEVALUE	A	B	C
$\text{=MID}(A2, \text{FIND}(",", A2)+2, \text{FIND}(",", A2, \text{FIND}(",", A2)+1)-\text{FIND}(",", A2)-2)$	Address	Street	City
	123 Main St, Los Angeles, CA 90001	123 Main St	$\text{=MID}(A2, \text{FIND}(",", A2)+2, \text{FIND}(",", A2, \text{FIND}(",", A2)+1)-\text{FIND}(",", A2)-2)$
	456 Elm Ave, New York, NY 10001	456 Elm Ave	
	789 OAK Road, Chicago, IL 60601	789 OAK Road	
	101 Pine Dr, San Francisco, CA 94101	101 Pine Dr	

DATEVALUE	A	B	C	D	E
$\text{=RIGHT}(A2, 5)$	Address	Street	City	State	ZIP Code
	123 Main St, Los Angeles, CA 90001	123 Main St	Los Angeles	CA	$\text{=RIGHT}(A2, 5)$
	456 Elm Ave, New York, NY 10001	456 Elm Ave	New York	NY	
	789 OAK Road, Chicago, IL 60601	789 OAK Road	Chicago	IL	
	101 Pine Dr, San Francisco, CA 94101	101 Pine Dr	San Francisco	CA	

DATEVALUE	A	B	C	D
$\text{=MID}(A2, \text{FIND}(",", A2, \text{FIND}(",", A2) + 1) + 2, 2)$	Address	Street	City	State
	123 Main St, Los Angeles, CA 90001	123 Main St	Los Angeles	$\text{=MID}(A2, \text{FIND}(",", A2, \text{FIND}(",", A2) + 1) + 2, 2)$
	456 Elm Ave, New York, NY 10001	456 Elm Ave	New York	
	789 OAK Road, Chicago, IL 60601	789 OAK Road	Chicago	
	101 Pine Dr, San Francisco, CA 94101	101 Pine Dr	San Francisco	

A	B	C	D	E
Address	Street	City	State	ZIP Code
123 Main St, Los Angeles, CA 90001	123 Main St	Los Angeles	CA	90001
456 Elm Ave, New York, NY 10001	456 Elm Ave	New York	NY	10001
789 OAK Road, Chicago, IL 60601	789 OAK Road	Chicago	IL	60601
101 Pine Dr, San Francisco, CA 94101	101 Pine Dr	San Francisco	CA	94101

Excel ribbon showing the **Conditional Formatting** tab. The **Highlight Cells Rules** dropdown menu is open, showing options like **Greater Than...**, **Less Than...**, **Between...**, **Equal To...**, **Text that Contains...**, **A Date Occurring...**, and **Duplicate Values...**.

	A	B	C	D	E	F	G	H
1	Month	Product	Sales Amount	Units Sold	Region			
2	January	SmartPhone	5000	100	East			
3	February	Laptop	6200	120	West			
4	March	SmartPhone	7500	140	South			
5	April	Tablet	6700	110	North			
6	May	Laptop	8500	160	Central			
7	June	SmartPhone	7200	130	East			
8	July	Tablet	9300	180	West			
9	August	Laptop	8900	170	South			
10	September	SmartPhone	8100	150	North			
11	October	Tablet	9500	190	Central			
12	November	Laptop	8800	160	East			
13	December	Tablet	10200	200	West			

The **Greater Than** dialog box is open, showing the format rule for cells greater than 8000. The format is set to **Green Fill with Dark Green Text**.

	A	B	C	D	E
1	Month	Product	Sales Amount	Units Sold	Region
2	January	SmartPhone	5000	100	East
3	February	Laptop	6200	120	West
4	March	SmartPhone	7500	140	South
5	April	Tablet	6700	110	North
6	May	Laptop	8500	160	Central
7	June	SmartPhone	7200	130	East
8	July	Tablet	9300	180	West
9	August	Laptop	8900	170	South
10	September	SmartPhone	8100	150	North
11	October	Tablet	9500	190	Central
12	November	Laptop	8800	160	East
13	December	Tablet	10200	200	West

	A	B	C	D	E
	Month	Product	Sales Amount	Units Sold	Region
	January	SmartPhone	5000	100	East
	February	Laptop	6200	120	West
	March	SmartPhone	7500	140	South
	April	Tablet	6700	110	North
	May	Laptop	8500	160	Central
	June	SmartPhone	7200	130	East
	July	Tablet	9300	180	West
	August	Laptop	8900	170	South
	September	SmartPhone	8100	150	North
	October	Tablet	9500	190	Central
	November	Laptop	8800	160	East
	December	Tablet	10200	200	West

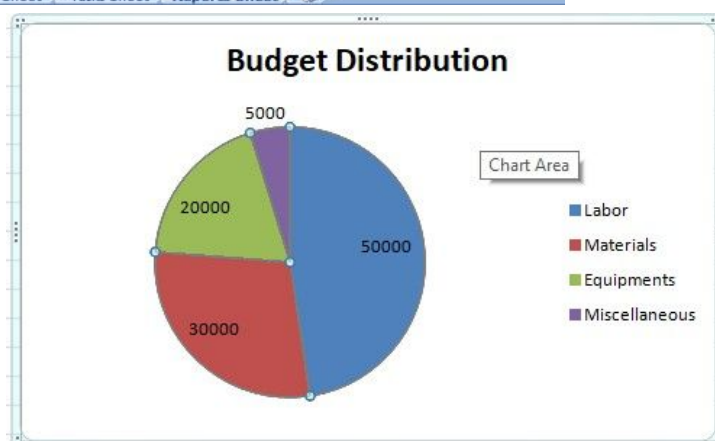
LAB 8

The **Data Validation** dialog box is open, showing the **Settings** tab. The validation criteria are set to **List** with the source **"In Progress", "Not Started", "Completed"**. The **Ignore blank** and **In-cell dropdown** options are checked.

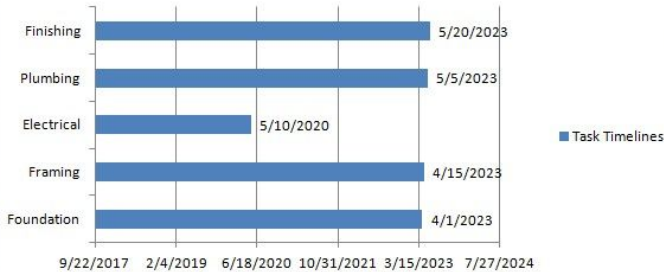
	A	B	C	D
1	ine	Status		
2	4/1/2023	In Progress		
3	4/15/2023	Not Started		
4	5/10/2020	Not Started		
5	5/5/2023	Not Started		
6	5/20/2023	Not Started		

	A	B	C
1		Total Project Cost	Number of Task in Progress
2		=SUM("Budget Sheet"!B2:B5)	
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

	A	B	C	D
1		Total Project Cost	Number of Task in Progress	
2			=COUNTIF("Tasks Sheet"!D2:D6,"In Progress")	
3				
4				
5				
6				
7				



Task Timelines



LAB 9

	A	B	C	D	E	F	G	H	I
1	Empno	Ename	Basic Pay(BP)	Travelling Allowance(TA)	Dearness Allowance(DA)	House Rent Allowance(HRA)	Income Tax(IT)	Provident Fund(PF)	Net Pay(NP)
2	101	John	50000	5000	7500	7000			
3	102	Alice	55000	5500	8250	7700			
4	103	Bob	60000	6000	9000	8400			
5	104	Sarah	48000	4800	7200	6720			
6	105	James	52000	5200	7800	7280			
7	106	David	62000	6200	9300	8680			
8	107	Emma	51000	5100	7650	7140			
9	108	Micheal	58000	5800	8700	8120			
10	109	Ethan	65000	6500	9750	9100			
11	110	Sophia	53000	5300	7950	7420			

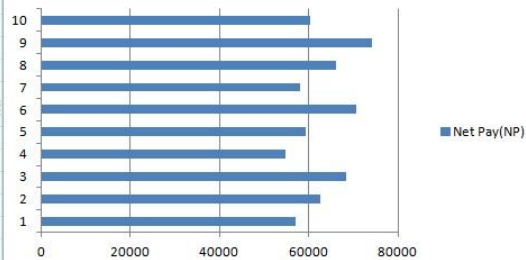
	A	B	C	D	E	F	G	H	I
1	Empno	Ename	Basic Pay(BP)	Travelling Allowance(TA)	Dearness Allowance(DA)	House Rent Allowance(HRA)	Income Tax(IT)	Provident Fund(PF)	Net Pay(NP)
2	101	John	50000	5000	7500	7000	=0.10*(C2+D2+E2+F2)		
3	102	Alice	55000	5500	8250	7700			
4	103	Bob	60000	6000	9000	8400			
5	104	Sarah	48000	4800	7200	6720			
6	105	James	52000	5200	7800	7280			
7	106	David	62000	6200	9300	8680			
8	107	Emma	51000	5100	7650	7140			
9	108	Micheal	58000	5800	8700	8120			
10	109	Ethan	65000	6500	9750	9100			
11	110	Sophia	53000	5300	7950	7420			

	A	B	C	D	E	F	G	H	I
1	Empno	Ename	Basic Pay(BP)	Travelling Allowance(TA)	Dearness Allowance(DA)	House Rent Allowance(HRA)	Income Tax(IT)	Provident Fund(PF)	Net Pay(NP)
2	101	John	50000	5000	7500	7000	6950	5560	=(C2+D2+E2+F2)-G2-H2
3	102	Alice	55000	5500	8250	7700			
4	103	Bob	60000	6000	9000	8400			
5	104	Sarah	48000	4800	7200	6720			
6	105	James	52000	5200	7800	7280			
7	106	David	62000	6200	9300	8680			
8	107	Emma	51000	5100	7650	7140			
9	108	Micheal	58000	5800	8700	8120			
10	109	Ethan	65000	6500	9750	9100			
11	110	Sophia	53000	5300	7950	7420			

	A	B	C	D	E	F	G	H	I
1	Empno	Ename	Basic Pay(BP)	Travelling Allowance(TA)	Dearness Allowance(DA)	House Rent Allowance(HRA)	Income Tax(IT)	Provident Fund(PF)	Net Pay(NP)
2	101	John	50000	5000	7500	7000	6950	5560	56990
3	102	Alice	55000	5500	8250	7700	7645	6116	62689
4	103	Bob	60000	6000	9000	8400	8340	6672	68388
5	104	Sarah	48000	4800	7200	6720	6672	5337.6	54710.4
6	105	James	52000	5200	7800	7280	7228	5782.4	59269.6
7	106	David	62000	6200	9300	8680	8618	6894.4	70667.6
8	107	Emma	51000	5100	7650	7140	7089	5671.2	58129.8
9	108	Micheal	58000	5800	8700	8120	8062	6449.6	66108.4
10	109	Ethan	65000	6500	9750	9100	9035	7228	74087
11	110	Sophia	53000	5300	7950	7420	7367	5893.6	60409.4

	A	B	C	D	E	F	G	H	I
1	Empno	Ename	Basic Pay(BP)	Travelling Allowance(TA)	Dearness Allowance(DA)	House Rent Allowance(HRA)	Income Tax(IT)	Provident Fund(PF)	Net Pay(NP)
2	101	John	50000	5000	7500	7000	6950	5560	56990
3	102	Alice	55000	5500	8250	7700	7645	6116	62689
4	103	Bob	60000	6000	9000	8400	8340	6672	68388
5	104	Sarah	48000	4800	7200	6720	6672	5337.6	54710.4
6	105	James	52000	5200	7800	7280	7228	5782.4	59269.6
7	106	David	62000	6200	9300	8680	8618	6894.4	70667.6
8	107	Emma	51000	5100	7650	7140	7089	5671.2	58129.8
9	108	Micheal	58000	5800	8700	8120	8062	6449.6	66108.4
10	109	Ethan	65000	6500	9750	9100	9035	7228	74087
11	110	Sophia	53000	5300	7950	7420	7367	5893.6	60409.4

Net Pay(NP)



LAB 10

Product Code	Product Name	Product Type	MRP	Cost After Discount (%)	Date of Purchase
001	Smartphone	Electronics	100	Formula	2023-10-01
002	T-Shirt	Clothing	75	Formula	2023-10-05
003	Wall Art	Home Decor	120	Formula	2023-10-10
004	Tennis Racket	Sports Gear	50	Formula	2023-10-15
005	Digital Watch	Electronics	80	Formula	2023-10-20
006	Laptop	Electronics	150	Formula	2023-10-25
007	Coffee Table	Home Decor	110	Formula	2023-10-30
008	Jeans	Clothing	90	Formula	2023-11-02
009	Soccer Ball	Sports Gear	60	Formula	2023-11-05
010	Headphones	Electronics	70	Formula	2023-11-10

DATEVALUE X ✓ fx =D2 - (D2 * 0.10)					
1	A	B	C	D	E
1	ProductCode	ProductName	ProductType	MRP	Cost after % of discount
2	PCOO1	SmartPhone	Electronics	100	=D2 - (D2 * 0.10)
3	PCOO2	T-Shirt	Clothing	75	
4	PCOO3	Wall Art	Home Decor	120	
5	PCOO4	Tennis Racket	Sports Gear	50	
6	PCOO5	Digital Watch	Electronics	80	
7	PCOO6	Laptop	Electronics	150	
8	PCOO7	Coffee Table	Home Decor	110	
9	PCOO8	Jeans	Clothing	90	
10	PCOO9	Soccer Ball	Sports Gear	60	
11	PCOO10	Headphones	Electronics	70	

E14 X ✓ fx					
1	A	B	C	E	F
1	ProductCode	ProductName	ProductType	Cost after % of discount	Date of Purchase
2	PCOO1	SmartPhone	Electronics	90	10/1/2023
3	PCOO2	T-Shirt	Clothing	67.5	10/5/2023
4	PCOO3	Wall Art	Home Decor	108	10/10/2023
5	PCOO4	Tennis Racket	Sports Gear	45	10/15/2023
6	PCOO5	Digital Watch	Electronics	72	10/20/2023
7	PCOO6	Laptop	Electronics	135	10/25/2023
8	PCOO7	Coffee Table	Home Decor	99	10/30/2023
9	PCOO8	Jeans	Clothing	81	11/2/2023
10	PCOO9	Soccer Ball	Sports Gear	54	11/5/2023
11	PCOO10	Headphones	Electronics	63	11/10/2023



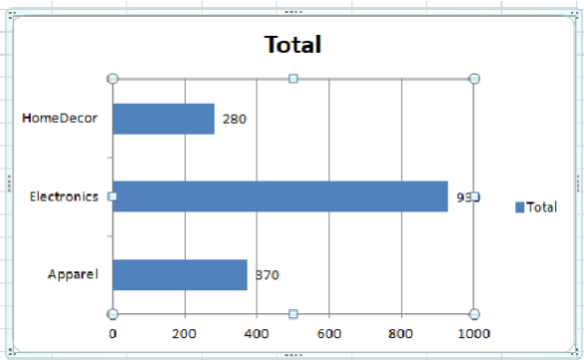
H13 X ✓ fx						
1	A	B	C	D	E	F
1	ProductCode	ProductName	ProductType	MRP	Cost after % of discount	Date of Purchase
2	PCOO1	SmartPhone	Electronics	100	90	10/1/2023
3	PCOO2	T-Shirt	Clothing	75	67.5	10/5/2023
4	PCOO3	Wall Art	Home Decor	120	108	10/10/2023
5	PCOO4	Tennis Racket	Sports Gear	50	45	10/15/2023
6	PCOO5	Digital Watch	Electronics	80	72	10/20/2023
7	PCOO6	Laptop	Electronics	150	135	10/25/2023
8	PCOO7	Coffee Table	Home Decor	110	99	10/30/2023
9	PCOO8	Jeans	Clothing	90	81	11/2/2023
10	PCOO9	Soccer Ball	Sports Gear	60	54	11/5/2023
11	PCOO10	Headphones	Electronics	70	63	11/10/2023

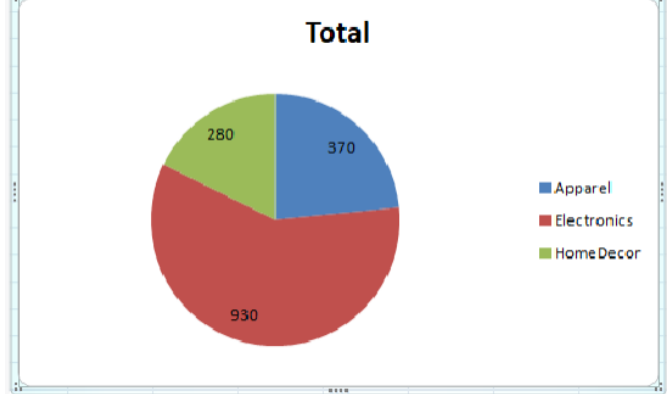
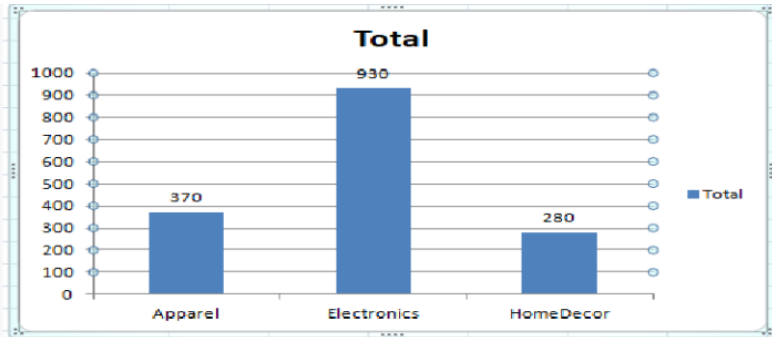
LAB 11

1	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Order ID	Customer ID	Gender	age	date of order	month	online platform	Category of product	size	quantity	amount	shipping city	other details
2	1001	101	Male	35	1/10/2023	January	Website	Apparel	M	2	\$ 100.00	New York	Gift wrapping requested
3	1002	102	Female	28	2/15/2023	February	Mobile App	Electronics	-	1	\$ 200.00	Los Angeles	Special delivery time
4	1003	103	Male	45	3/20/2023	March	Website	Home Decor	-	3	\$ 80.00	Chicago	Customer loyalty card
5	1004	104	Female	32	4/25/2023	April	In-Store	Apparel	S	4	\$ 150.00	Houston	Gift message included
6	1005	105	Male	38	5/30/2023	May	Mobile App	Electronics	-	2	\$ 250.00	Miami	Expedited shipping
7	1006	106	Female	29	6/5/2023	June	Website	Electronics	-	3	\$ 180.00	Seattle	-
8	1007	107	Male	40	7/10/2023	July	In-Store	Home Decor	-	2	\$ 90.00	Boston	Preferred customer
9	1008	108	Female	35	8/15/2023	August	Mobile App	Apparel	L	2	\$ 120.00	San Francisco	-
10	1009	109	Male	30	9/20/2023	September	Website	Electronics	-	1	\$ 300.00	Chicago	-
11	1010	110	Female	45	10/25/2023	October	Mobile App	Home Decor	-	3	\$ 110.00	New York	-

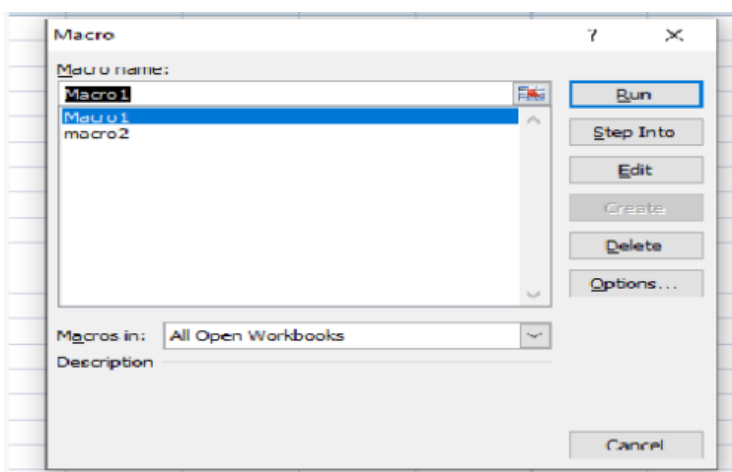
=SUMIFS(K:K,H:H,"Apparel")													
1	Total Sales By category												
2	370												
3	930												
4	170												
5													
6													
7													
8													

Row Labels	Sum of amount
Apparel	370
Electronics	930
HomeDecor	280
Grand Total	1580





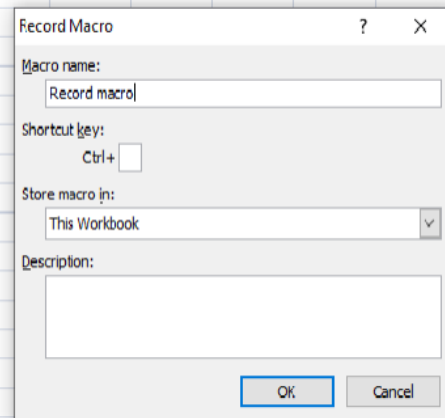
LAB 12



OrderId	Category of Products	Amount
102	Electronics	\$ 200.00
104	HomeDecor	\$ 90.00
105	Electronics	\$ 110.00
106	Books	\$ 220.00
107	Sports Equipment	\$ 300.00
108	Books	\$ 350.00
110	Sports Equipment	\$ 120.00



	A	B	C	D	E	F	G	H	I	J	K	L	M
1	OrderId	Category of Product	Amount										
2	102	Electronics	\$ 200.00										
3	104	HomeDecor	\$ 90.00										
4	105	Electronics	\$ 110.00										
5	106	Books	\$ 220.00										
6	107	Sports Equipment	\$ 300.00										
7	108	Books	\$ 350.00										
8	110	Sports Equipment	\$ 120.00										



OrderId	Category of Products	Amount
102	Electronics	\$ 200.00
104	HomeDecor	\$ 90.00
105	Electronics	\$ 110.00
106	Books	\$ 220.00
107	Sports Equipment	\$ 300.00
108	Books	\$ 350.00
110	Sports Equipment	\$ 120.00

	A	B	C
1	OrderId	Category of Products	Amount
2	101	Apparel	\$ 100.00
3	102	Electronics	\$ 200.00
4	103	Apparel	\$ 150.00
5	104	HomeDecor	\$ 90.00
6	105	Electronics	\$ 110.00
7	106	Books	\$ 220.00
8	107	Sports Equipment	\$ 300.00
9	108	Books	\$ 350.00
10	109	Apparel	\$ 200.00
11	110	Sports Equipment	\$ 120.00