AIM:

PROCEDURE:

Step 1 : Start Ms Excel application in Ms- office.

Step 2 : Create a datasheet for student marks in Ms Excel application.

Step 3 : If you haven't already installed the Analysis ToolPak , Click the Microsoft Office button, then click on the Excel Options , and then select Add-Ins , Click Go, check the Analysis ToolPak box, and click Ok

Step 4 : Select Data tab, then click on the Data Analysis option, then selects Descriptive Statistics from the list and Click Ok. [Data tab >> Data Analysis >>Regression]

Step 5: In the Input Range we select quantity as x range and discount as y range then select the Output Range where you want the output to be stored. If you don't specify the output range it will throw output in the new worksheet.

Step 6 : Then select the Output Range where you want the output to be stored. If you don't specify the output range it will throw output in the new worksheet.

Step 7 : When you click Ok, you will see the result in the selected output range.

Step 8: Save the excel file and Close the Ms Excel application.

OUTPUT:

Category	Region	Quantity	Discount
Furniture	South	2	1
Furniture	South	3	2
Furniture	West	2	0.5
Office Supplies	South	5	0.45
Office Supplies	South	4	0.2
Furniture	West	7	0.1
Office Supplies	West	4	0.6
Office Supplies	West	7	0.2
Technology	West	6	0.3
Office Supplies	West	3	0.3
Office Supplies	West	4	0.2
Office Supplies	South	2	0.7
Furniture	South	2	1
Technology	West	6	0.2
Office Supplies	Central	5	0.8
Office Supplies	Central	3	0.8

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.543463809
R Square	0.295352911
Adjusted R Square	0.245020977
Standard Error	0.417828954
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*gnificance F*
Regression	1	1.024459	1.024459	5.868102	0.02957
Residual	14	2.444134	0.174581		
Total	15	3.468594			

	Coefficients	*andard Err*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*ower 95.0%*	*pper 95.0%*
Intercept	1.184553928	0.26888	4.405509	0.000598	0.607863	1.761245	0.607863	1.761245
X Variable 1	-0.147736352	0.060987	-2.42242	0.02957	-0.27854	-0.01693	-0.27854	-0.01693

Sheet1

RESULT :

AIM:

PROCEDURE:

Step 1 : Start Ms Excel application in Ms- office.

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Step 3 : If you haven't already installed the Analysis ToolPak , Click the Microsoft Office button, then click on the Excel Options , and then select Add-Ins , Click Go, check the Analysis ToolPak box, and click Ok

Step 4 : Select Data tab, then click on the Data Analysis option, then selects Descriptive Statistics from the list and Click Ok. [Data tab >> Data Analysis >>Regression]

Step 5: In the Input Range we select quantity as x range and discount and profit as y range, then select Output Range where you want the output to be stored. If you don’t specify the output range it will throw output in the new worksheet.

Step 6 : Then select the Output Range where you want the output to be stored. If you don’t specify the output range it will throw output in the new worksheet.

Step 7 : When you click Ok, you will see the result in the selected output range.

Step 8: Save the excel file and Close the Ms Excel application.

OUTPUT:

Category	Region	Quantity	Discount	Profit
Furniture	South	2	1	261.96
Furniture	South	3	2	191.94
Furniture	West	2	0.5	14.62
Office Sup	South	5	0.45	16.52
Office Sup	South	4	0.2	22.36
Furniture	West	7	0.1	7.34
Office Sup	West	4	0.6	38.16
Office Sup	West	7	0.2	10.26
Technolog	West	6	0.3	181.54
Office Sup	West	3	0.3	67.66
Office Sup	West	4	0.2	172.1
Office Sup	South	2	0.7	91.45
Furniture	South	2	1	261.96
Technolog	West	6	0.2	181.54
Office Sup	Central	5	0.8	68.81
Office Sup	Central	3	0.8	68.81

SUMMARY OUTPUT

Regression Statistics	
Multiple F	0.553217
R Square	0.306049
Adjusted I	0.199287
Standard E	1.582898
Observati	16

ANOVA

	df	*SS*	*MS*	*F*	*gnificance F*
Regressio	2	14.36515	7.182576	2.866649	0.093033
Residual	13	32.57235	2.505565		
Total	15	46.9375			

	Coefficients	*andard Err*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*ower 95.0%*	*pper 95.0%*
Intercept	5.350257	0.68886	7.76683	3.09E-06	3.862066	6.838448	3.862066	6.838448
X Variable	-1.79919	0.960209	-1.87374	0.083617	-3.87359	0.27522	-3.87359	0.27522
X Variable	-0.00228	0.005099	-0.44762	0.661795	-0.0133	0.008733	-0.0133	0.008733

Sheet1 Sheet2

RESULT: