

Name: Abhishek Dixit

Batch Name: Data Analytics Dec Live Batch

Assignment Name: Excel Basic Refresher Assignment

Assignment 1

Question 1) Explain the difference between Relative, Absolute and Mixed Cell Referencing.

Answer) **Relative Cell Referencing**

- Cell reference **changes automatically** when the formula is copied.
- No \$ symbol is used.
- **Example:** A1

If =A1+B1 is copied down, it becomes =A2+B2.

Absolute Cell Referencing

- Cell reference **remains fixed** even after copying.
- \$ symbol is used before row and column.
- **Example:** \$A\$1

If =\$A\$1+B1 is copied, \$A\$1 does not change.

Mixed Cell Referencing

- Either **row or column is fixed**, the other changes.
- Uses \$ partially.
- **Examples:**
 - \$A1 → Column fixed ◦
 - A\$1 → Row fixed

Question 2) Write a formula to calculate the total sales of Car and Bicycle only.

Answer)

=SUMIFS(B2:B4, A2:A4, "Car") + SUMIFS(B2:B4, A2:A4, "Bicycle")

Question 3) Using the data below, write a formula to calculate the average sales of items priced above 100 but less than 300:

Answer)

AVERAGEIFS(C:C, B:B, ">100", B:B, "<300")

Question 4) Count how many customer names are recorded ?

Answer)

=COUNTA(B2:B51)

Customer names is 50

Question 5) Calculate the Total Sales for each row using a formula.

Answer)

=E2*F2

Then drag it vertically to find the Total Sales of each row

Question 6) Calculate the total sales of Notebooks in the North region only

Answer)

=SUMIFS(H:H, D:D, "Notebook", C:C, "North")

Total sale is 2900