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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

