**Advance Excel Assignment 7**

**1.** **Using Insert Function, give examples of any function available in the different dropdowns present in the function library. For example: AutoSum, Recently Used, Text, Date & Time, etc.**

Here are some examples of functions available in different dropdowns of the function library:

* AutoSum: SUM, AVERAGE, COUNT, MAX, MIN
* Recently Used: The list of recently used functions in the current workbook.
* Text: CONCATENATE, LEFT, RIGHT, MID, LEN, LOWER, UPPER, PROPER
* Date & Time: TODAY, NOW, YEAR, MONTH, DAY, HOUR, MINUTE, SECOND
* Financial: PV, FV, PMT, NPER, RATE
* Logical: IF, AND, OR, NOT, IFERROR
* Lookup & Reference: VLOOKUP, HLOOKUP, INDEX, MATCH
* Math & Trigonometry: SUM, PRODUCT, QUOTIENT, ABS, SQRT, SIN, COS, TAN
* Statistical: AVERAGE, COUNT, MAX, MIN, SUM, MEDIAN, MODE, RANK

These are just a few examples of the functions available in the function library. Depending on the spreadsheet software you are using, there might be other categories and functions available.

**2. What are the different ways you can select columns and rows?**

In a spreadsheet program, you can select columns and rows in several ways:

* Clicking on the column/row header: To select a single column/row, simply click on its header. The header is the letter for columns (A, B, C, etc.) or the number for rows (1, 2, 3, etc.).
* Dragging the mouse: To select multiple columns/rows, click and drag the mouse over the headers. The selected columns/rows will be highlighted.
* Using keyboard shortcuts: To select multiple consecutive columns/rows, click on the first column/row header and then hold down the Shift key while clicking on the last column/row header. All columns/rows in between will be selected. To select multiple non-consecutive columns/rows, hold down the Ctrl key while clicking on the headers.
* Selecting All: To select all columns/rows in the sheet, click on the triangular button in the top-left corner of the sheet, to the left of column A and above row 1.

These are some of the common ways to select columns and rows in a spreadsheet program. The specific steps might vary slightly depending on the program you are using.

**3. What is AutoFit and why do we use it?**

AutoFit is a deep learning based text classification algorithm that is used for automatically fitting machine learning models to classify text into different categories. The main motivation behind using AutoFit is to simplify the process of building machine learning models for text classification tasks, which can be time-consuming and require a lot of expertise.

With AutoFit, users can easily train their models on a large dataset of text, and the algorithm will automatically determine the best parameters and architectures for the task, without the need for manual tuning. This can save a lot of time and effort, and also make it possible for non-experts to build effective text classification models. Additionally, because AutoFit uses deep learning techniques, it can handle large amounts of data and complex relationships between the text and the categories, resulting in highly accurate predictions.

**4. How can you insert new rows and columns into the existing table?**

To insert a new row in Excel, you can right-click on the row header above or below where you want to insert the new row and select "Insert". To insert a new column, you can right-click on the column header to the left or right of where you want to insert the new column and select "Insert".

**5. What are the things that we can notice after opening the Excel interface?**

In Microsoft Excel, you can hide and unhide columns to temporarily remove them from view or to make it easier to work with the data in your spreadsheets. Here's how you can do it:

To hide columns:

Select the columns you want to hide by clicking on the column header letter(s) at the top of the spreadsheet.

Right-click on the selected column(s) and select "Hide".

To unhide columns:

* Select the columns to the right and left of the hidden column(s).
* Right-click on the selected column(s) and select "Unhide".
* In the "Unhide Columns" dialog box, select the column(s) you want to unhide, and then click "OK".

**6. Create an appropriate table within the worksheet and use different**

**functions available in the AutoSum command.**

To create a table in a worksheet using Microsoft Excel, you can follow these steps:

* Select the range of cells that you want to include in your table.
* Click the "Insert" tab on the ribbon.
* Click the "Table" button in the "Tables" group.
* In the "Create Table" dialog box, make sure that the range of cells you selected is correctly displayed.
* Check the box "My table has headers" if your data includes headers.
* Click the "OK" button.

Excel will automatically format your data as a table and give you access to various table-related features and functions.

To use the AutoSum function in Excel, follow these steps:

* Select the cell below or to the right of the data that you want to sum.
* Click the "Formulas" tab on the ribbon.
* Click the "AutoSum" button in the "Function Library" group.
* Excel will automatically select the range of cells to sum based on the data around the active cell. If the range is correct, press Enter to complete the formula.
* If the range is not correct, you can select the range of cells to sum by using your mouse or keyboard arrow keys.

We can also use other functions available in the AutoSum command, such as AVERAGE, COUNT, MAX, and MIN. To do this, click the "AutoSum" button and then select the desired function from the drop-down menu.