

# Excel Assignment 1

## 1. What is Excel? Why do we use Excel?

ANS :

\* **Microsoft Excel** is a software program produced by Microsoft that allows users to organize, format and calculate data with formulas using a spreadsheet system. This software is part of the Microsoft Office suite and is compatible with other applications in the Office suite.

\* Excel is **typically used to organize data and perform financial analysis**. It is used across all business functions and at companies from small to large.

## 2. List all the versions of Microsoft excel. Compare excel software provided from multiple vendors.

ANS:

- **VERSIONS – 29 versions were used**
  - Excel 365
  - Excel 2019
  - Excel 2016 and 365
  - Excel 2013 (Windows)
  - Excel 2011 (Mac)
  - Excel 2010 (Windows)
  - Excel 2008 (Mac)
  - Excel 2007 (Windows)
  - Excel 2004 (Mac)
  - Excel 2003 (Windows)
  - Older Windows versions (2002, 2000, 97, 95, 4.0, 3.0, 2.0)
  - Older Mac versions (2001, 2000, 98, 5, 4, 3, 2, 1)
  - OS/2 Versions (2.2, 2.3, 3)
- If you have two workbooks open in Excel that you want to compare, you can run Spreadsheet Compare by using **the Compare Files command**.

3.How to create bar charts in excel, demonstrated with practical examples.

ANS

Go to the **“Insert” tab** and move the cursor to the **insert bar chart option**. Under the 2D bar chart, select the stacked bar chart, as shown in the below-mentioned figure. The stacked bar chart will be displayed, as shown below. Add **“Data Labels”** to the data series in the plotted area.

4.Create an analytics dashboard in python and present your findings.

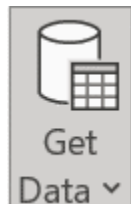
ANS:

Building your first dashboard in Python (in less than 1 minute.) Yes, building dashboards in Dash is that simple. **Install Pandas and dash with the following command**, then start the timer. In your project directory, create a file called app.py with the below content.

5.How to connect Excel with the databases.

ANS:

- Open Microsoft Excel
- Select the Data tab



- Click on Get Data
  - Select "From Database"
- Select From SQL Server database
- Enter the SQL Server Name
  - Optionally, you can enter the database name here if you know it.