



**Hands-on Exercise No. 3**  
**DigiSkills 2.0 Batch-05**  
**Data Analytics & Business Intelligence**

**Total Marks: 10**  
**Due Date: 31/08/2023**

**Instructions:**

Please read the following instructions carefully before submitting this Hands-on Exercise:

- Use MS Word to prepare exercise solution.
- You may consult tutorials and videos if the concept is not clear.
- Your submitted exercise will not be considered/counted if:
  - It is submitted after due date.
  - It is not in the required format (.doc or .docx)
  - It does not open, or file is corrupt.
  - It is copied (partial or full) from any source (websites, forums, students, etc.)

**Learning Outcome:**

After completing this exercise, you shall be able to:

- Download and install Microsoft Power BI Desktop
- Import MS Excel file into Microsoft Power BI Desktop
- Add column in the Power Query
- Create various types of charts using Microsoft Power BI Desktop

### **Problem Statement**

In the context of enhancing data analysis and visualization for a retail company's sales dataset, a problem has been identified. The company possesses a large dataset containing sales records from multiple branches and cities. The dataset is currently stored as a CSV file, and there is a need to utilize Microsoft Power BI Desktop to transform and visualize this data effectively.

### **Tasks:**

- 1) Download and install the Microsoft Power BI Desktop.
- 2) Download the dataset from the following link and load the dataset into the Microsoft Power BI Desktop.  
[https://lms.digiskills.pk/Courses/DBI101/Downloads/supermarket\\_sales%20-%20Sheet1.csv](https://lms.digiskills.pk/Courses/DBI101/Downloads/supermarket_sales%20-%20Sheet1.csv)
- 3) Open your file and click on transform data after that add conditional column in power query and convert Gender column into the form of 0,1 (0 for Female and 1 for male).
- 4) To show Sum of gross income and sum of unit price by branch using a Line and Stacked column in Microsoft Power BI.
- 5) To show count of city by payment and branch using Pie chart in Microsoft Power BI.

### **Requirement:**

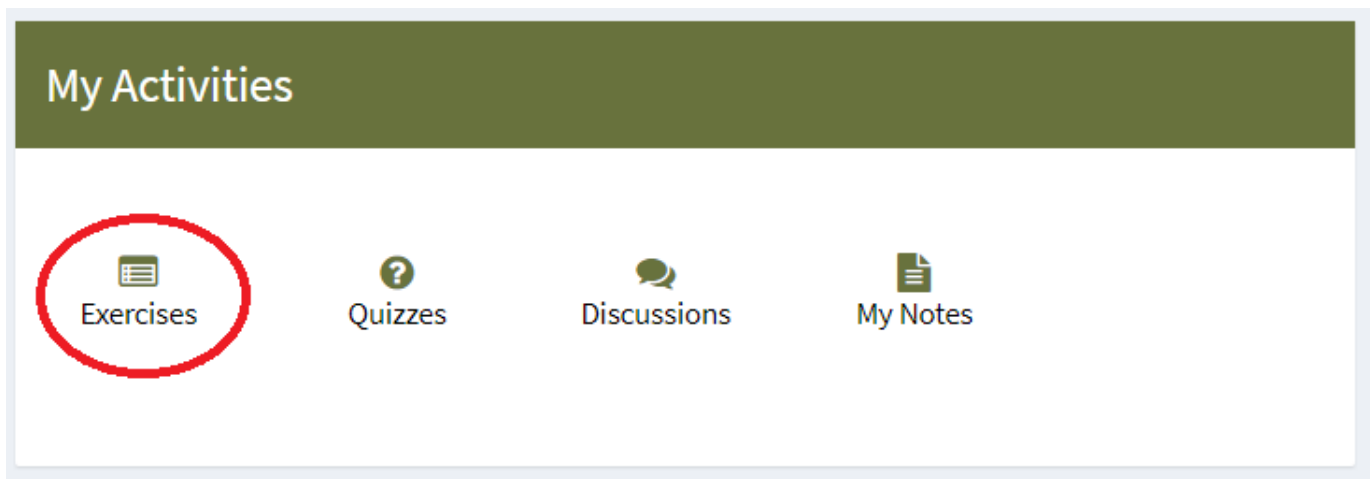
In this exercise you are required to perform all the given tasks and provide screenshots of each task in MS Word solution file.

BEST OF LUCK ☺

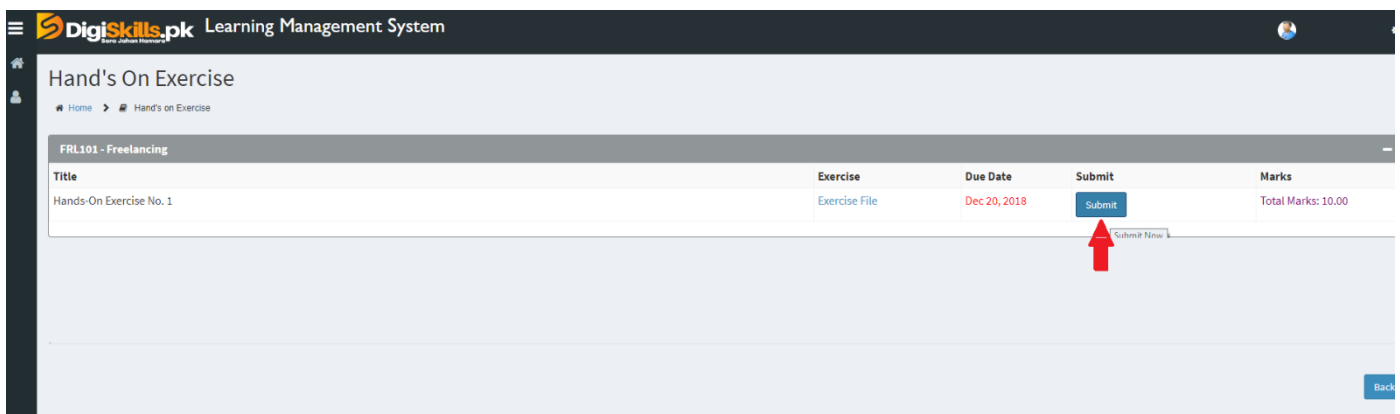
## How to submit solution file on LMS?

Please perform the following steps for submitting your solution using LMS:

- 1) Login to the LMS
- 2) Click on the **Exercises** button within the **My Activities** section



- 3) Click on the submit button to upload your Solution.



- 4) Keep in mind to upload your Solution in .doc or .docx format.