**Lab 1**

**Interesting Pandas classes**

1. DataFrame: The DataFrame class allows one to hold and manipulate tabular data with labelled columns and rows.
2. Series: This is a one-dimensional Pandas array that may be a collection of any type of data, along with optional axis labels, convenient for handling a single row or a single column.
3. groupby(): This method allows one to group the data by one or several columns for performing aggregations such as counting or averaging; it is fundamental to summarising attack types.
4. value\_counts(): This function efficiently provides the number of times that each distinct value shows up in a Series.
5. fillna() : This method fills missing values in a DataFrame or Series; it is a very useful feature for cleaning data prior to analysis or modeling.