**DataEngnieering**

**TEAM:Quantum Coders**

**Activities Covered**

**1.lookup:**The Lookup activity in Azure Data Factory is used to retrieve data from a data Set or Source. This activity is often used to fetch data that you need to use later in pipeline, such as fetching a list of items from a database or the input provided, obtaining configuration values, or querying a reference dataset.

**2.getmetadata:**The GetMetadata activity in Azure Data Factory retrieves metadata about a dataset without transferring the actual data. This metadata can include details such as file sizes,column count,item name,item type schema structures, or the list of items within a dataset.

**3.filter:**The Filter activity in Azure Data Factory (ADF) is used to filter rows of data based on a specified condition. This can be particularly useful to refine your dataset to include only specific rows that meet certain criteria.

**4.foreach:**In Azure Data Factory (ADF), the "ForEach" activity is used to iterate over a collection of items and execute a specified activity or set of activities for each item in that collection. It's particularly useful for processing data in batches or performing repetitive tasks across multiple items.

**5.ifelse:**The "If Condition" activity allows you to execute different sets of activities based on whether a given condition evaluates to true or false.

**6.CopyData Activity:** As the name depicts it's used to Copy Data from source to destination.

**7.Switch Activity:**In Azure Data Factory (ADF), the "Switch" activity is used to route the flow of execution to one of several possible paths based on the value of a given expression. This activity is useful when you need to make decisions or direct the flow of your pipeline based on dynamic values or conditions.

**8.Creation of parameters**

**9.Creation of variables**

**pipeline1:**



Description:In this pipeline all the basic activities are used like getmetadata,ifcondition,foreach,filter

**pipeline2:**



Description:In the above diagram the switch is used to handle multiple cases or the conditions that meet the requirements