**Use Cases for Map Reduce Programme**

**Use Case – I:** Word Count Program

**Description:** Write a map reduce programme to determine count of each word in a given file

**Input:** A text/csv file stored in HDFS (File can be downloaded from **https://catalog.data.gov/dataset?res\_format=CSV**)

**Output:** Text/csv file to be stored in HDFS

**Use Case – II:** Letter Count Program

**Description:** Write a map reduce programme to determine count of each letter in a given file

**Input:** A text/csv file stored in HDFS (File can be downloaded from **https://catalog.data.gov/dataset?res\_format=CSV**)

**Output:** Text/csv file to be stored in HDFS

**Use Case – III:** Year Wise Max, Min Temperature

**Description:** Write a map reduce programme to get Maximum and Minimum Temperature of Year

**Input:** A text/csv file stored in HDFS (File can be downloaded from **https://data.townofcary.org/api/v2/catalog/datasets/rdu-weather-history/exports/csv**)

**Output:** Text/csv file to be stored in HDFS

**Use Case – IV:** Year Wise Max, Min Temperature

**Description:** Write a map reduce programme to get Maximum and Minimum Temperature of Year

**Input:** A text/csv file stored in HDFS (File can be downloaded from **https://data.townofcary.org/api/v2/catalog/datasets/rdu-weather-history/exports/csv**)

**Output:** Text/csv file to be stored in HDFS