**How to run the analysis**

1. **Pre-requisites tools and libraries used :**
   1. Python - 3.7.4
   2. pandas - 0.25.1
   3. numpy - 1.16.5
   4. datetime - Inbuilt version of python 3.7.1
   5. math - Inbuilt version of python 3.7.1
   6. from datetime import timedelta
   7. sklearn - 0.21.3
   8. dateutil- 2.8.0
2. **Installation :**
   1. Unzip the file “LTFS\_Submission\_Creed.7z”
   2. Ensure that you have write permissions in the folder where you are unzipping the file.
   3. The unzip folder consists of 3 sub-folders:
      1. code – contains all the required python files
      2. input- contains input training, testing and festival data in csv format.
      3. output- contains output generated on analysis execution.
      4. documents – contains solution approach document
3. **Executing the analysis:**
   1. Open Anaconda prompt or python console that contains the above- mentioned versions of python and packages**.**
   2. Set “code” folder of the unzipped folder as the current working directory.

**For example**: “***cd D:/user/ltfs\_submission\_creed/code***”

* 1. Set the name of the following input data in the file **“call.py”:**
     1. Input training data under the variable **“input\_train”**
     2. Input test data under the variable **“input\_test”**
     3. Input test data under the variable “**festival\_data**” in the file **“call.py”**
  2. While performing **step (c)**, ensure that the input data format is same as the sample attached in input.
  3. Source the file “**call.py**” in python to execute the analysis**.**
  4. On completion of analysis, check the output folder to see the results.