Please follow the below steps to build and execute both the standalone and AWS Elastic MapReduce (EMR) versions of my program:

- **Step 1** On unzipping my solution you will get following deliverables in one folder:
 - 1 Report pdf report as required
 - 2_SourceCode source code (Java Maven Project) & Makefile (see step 2 for running the code)
 - 3_AWSSyslogFiles plain text syslog files
 - ➤ Wikipedia-full-html-VersionA (2 log files for each configuration)
 - ➤ Wikipedia-full-html-VersionB (2 log files for each configuration)
 - ➤ Wikipedia-simple-html-VersionA (1 file for 1 Master & 5 Workers configuration)
 - ➤ Wikipedia-simple-html-VersionB (1 file for 1 Master & 5 Workers configuration)
 - 4_AWSOutputFiles output files (Top-100 pages with pagerank)
 - ➤ Wikipedia-full-html-VersionA (2 output files for each configuration)
 - ➤ Wikipedia-full-html-VersionB (2 output files for each configuration)
 - ➤ Wikipedia-simple-html-VersionA (1 file for 1 Master & 5 Workers configuration)
 - ➤ Wikipedia-simple-html-VersionB (1 file for 1 Master & 5 Workers configuration)
- Step 2: Steps to build and execute the program on local and AWS (location: 2_SourceCode/PageRank)
 - 2.1 Copy the input file(s) into input folder (PageRank/input)
 - 2.2 Open terminal and cd to this PageRank directory
 - 2.3 You can configure the value of alpha, noOfIteration, kForTopK and version in Makefile:
 - args.alpha: alph to be used in PageRank calculation
 - args.noOfIteration : no of PageRank iterations to run
 - args.kForTopK : K for getting Top-K records
 - args.version : version of the program to run (A rowByColumn or B ColumnByRow)
 - 2.4 Execute in Local
 - Run the following command to execute the program in local: "make alone"
 - Output files will be generated in the same directory.
 - 2.5 Execute on AWS
 - Run the below commands to execute the program on AWS
 - "make upload-input-aws" : command to upload the input to aws (it will copy the input files into dspatel28 bucket)
 - "make cloud": to execute the program/job on AWS
 - After execution, you can find the output results and logs in dspatel28 bucket
 - At last, you can delete all the data from dspatel28 bucket by running below command: "make delete-s3-aws"