Report for Lab Assignment 1

1.

QUESTION:

Write a map-reduce pseudo code for Sum of Two Matrices.

$$\mathbf{A} + \mathbf{B} = \begin{bmatrix} a_{11} & a_{12} & \cdots & a_{1n} \\ a_{21} & a_{22} & \cdots & a_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{m1} & a_{m2} & \cdots & a_{mn} \end{bmatrix} + \begin{bmatrix} b_{11} & b_{12} & \cdots & b_{1n} \\ b_{21} & b_{22} & \cdots & b_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ b_{m1} & b_{m2} & \cdots & b_{mn} \end{bmatrix}$$

$$= \begin{bmatrix} a_{11} + b_{11} & a_{12} + b_{12} & \cdots & a_{1n} + b_{1n} \\ a_{21} + b_{21} & a_{22} + b_{22} & \cdots & a_{2n} + b_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{m1} + b_{m1} & a_{m2} + b_{m2} & \cdots & a_{mn} + b_{mn} \end{bmatrix}$$

PSEUDO CODE:

```
\begin{split} list\_B &= [(j,\,b_{ij}) \text{ for } (M,\,j,\,b_{ij}) \text{ in values if } M == "B"] \\ for \, (j,\,a_{ij}) \text{ in list\_A:} \\ for \, (j,\,b_{ij}) \text{ in list\_B:} \\ &\quad emit((i,\,j),\,a_{ij} + b_{ij}) \end{split}
```

2.

QUESTION:

Create GitHub Account. Create a repository in remote Github. Clone it to local machine.

Create 2 (Source and Documentation) directories in local github.

Put the document with the pseudo code of question (1) under documentation directory in the local windows Github and sync it to remote Github.

DECRIPTION:

Created a GitHub Account and also repository and followed all the steps mentioned.

3.

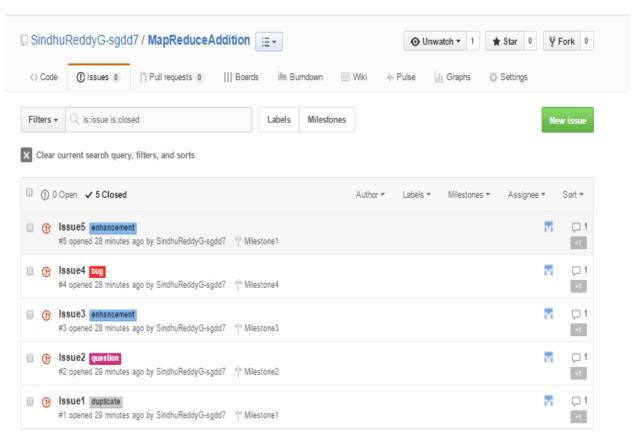
QUESTION:

Create ZenHub Tool Account. Create a board, 3 iterations, at least 5 tasks and show the analytics graph.

DECRIPTION:

Created ZenHub Tool Account and also created a board, 5 Issues and 4 Milestones. Below are the details and Burndown graphs generated for each Milestone.

SCREENSHOTS:



O ProTip! Exclude everything labeled bug with -label:bug.

