***ISIT312 Tutorial 1***

***Demonstrate how a file of 800 MB would be stored in Hadoop:***

* ***Since the block size in Hadoop is 128MB the file would split into 7 blocks, and each block is going to be stored (replicated) 3 times.***

***Apply map reduce:***

* ***“text to pass to reader” 🡪***
* ***text:1 to:1 pass:1 to:1 reader: 1 🡪***
* ***text: 1 to:2 pass:1 reader:1***

***Explain how a job is processed in Hadoop:***

* User submits a job 🡪
* Resource manager decides how many (cpu, memory) the job needs 🡪
* use application manager (Map reduce) 🡪
* each work node runs a node manager to run tasks 🡪
* each cluster holds data nodes and their blocks 🡪
* Perform file system operations.