ASSIGNMENT-8.4

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| FIFO SCHEDULER | CAPACITY SCHEDULER |
| >FIFO(First in first out ) is based on the submission of job.The job which is submitted first undergoes first.It does not consider size but it will solely give its application to perform the given job. | >Capacity scheduler allocates its job based on the size of job.The small job is allocated first and then the larger job is allocated. |

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| FIFO | FAIR SCHEDULER |
| >FIFO(First in first out ) is based on the submission of job.The job which is submitted first undergoes first.It does not consider size but it will solely give its application to perform the given job. | >Fair scheduler allocates job of all size equally ,when a smaller job is completed first then the resource is given to bigger job to use it effectively. |

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| CAPACITY SCHEDULER | FAIR SCHEDULER |
| >Fair scheduler allocates job of all size equally ,when a smaller job is completed first then the resource is given to bigger job to use it effectively. | >Fair scheduler allocates job of all size equally ,when a smaller job is completed first then the resource is given to bigger job to use it effectively. |

4. Limitation of Hadoop 1.x :

>Failure of single node leads to the failure of whole system

>Since there is only single namespace ,multiple process cannot be performed simultaneously.

Hadoop 2.x:

>These limitations are overcomed by introducing multiple namenodes,such that it results in high availability and hence one node overtakes even in the failure of the other.

>HDFS federation:Multiple name space helps in multiple process to be performed simultaneously.