**SESSION 3: HDFS INTERNALS**

**ASSIGNMENT 2**

1. Which is not the property of hdfs-site.xml file?
2. Block size
3. Replication factor
4. Secondary Namenode port address
5. **Application server**
6. What are the properties that we can edit in hdfs-site.xml file?
7. Block size
8. Replication factor
9. Block reporting interval
10. **All the above**
11. Underlying storage layers where MapReduce programs are written:
12. **Abstracted**
13. Open to all
14. Locked
15. None of these
16. Which is not a valid method in FSDATA Output Stream?
17. close()
18. **open()**
19. getpos()
20. sync()
21. How many blocks of size 128MB will be allocated for a file of size 524288KB:
22. 2
23. 3
24. **4**
25. 5
26. MapReduce Job client calculates the input split by:
27. **Figuring the first and last whole records in the block**
28. Figuring only the first block
29. Figuring only the last block
30. None of these
31. Mappers are directly related to:
32. Input data
33. **Input splits**
34. Output data
35. Output splits
36. After data is written in an HDFS file, HDFS does not provide any guarantee that data are visible to a new reader until the file is \_\_\_\_\_\_
37. **closed**
38. opened
39. writing
40. reading
41. What mechanism does Hadoop use to make namenode resilient to failure?
42. **Take backup of filesystem metadata to a local disk and a remote NFS mount**
43. Store the filesystem metadata in cloud
44. Use a machine with at least 12 CPUs
45. Using expensive and reliable hardware
46. All the files in a directory in HDFS can be merged together using:
47. **getmerge**
48. putmerge
49. remerge
50. mergeall