1. Difference between other file system and hdfs
2. Spark vs mapreduce, why hadoop mapreduce is very slow.

When mapreduce process data it stores into file system(disk) during every intermediate step.

In spark it process in memory and give last step into disk that’s why spark is faster than mapreduce

Spark is in processing engine so spark not store anything in disk

There is continues i/o hit on hdfs in mapreduce but in spark there are only 2 i/o hits.

And in ingnite there are no hits.

1. Alternative to hdfs:
   1. Redis
   2. ignite file system(IGFS)
2. where we use mapreduce instead of spark
   1. if you are processing batch data and no time bound at that time use Hadoop.
   2. Take small amount of resources
3. Where to use spark

If u process multi type data(batch, streaming, machine learning, graphical data) and time bounded to process data.. very fast. Optimize performance.