Question 1:

Ans: String is immutable in java because in java there is high security, synchronization and concurrency, caching, and class loading. The reason for making String immutable is not to allow others to extend it. The String objects are cached in the String pool, and it makes the String immutable.

Difference Between String and String Builder:

Ans:

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| --- | --- |
| **String** | **String Builder** |
| Immutable | Mutable |
| Thread Safe | No Thread Safe |
| String objects can go with multiple threads | StringBuilder object cannot be applicable with multiple threads |