国 == Openaton:

The operator pentorms neterence comparison, meaning it checks whether two strings refers to the exact same memory location. It neturns true only it booth string variables point to same object in memory.

equals () method:

The equals C) method performs

value or content companison, meaning

it checks weather the actual text/contor

of the two strings is the same. It

of the two strings is the contents of the

neturns true if the contents of the

strings match, even if they are stoned

in different memory locations.

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Bangladesh Pap

Subject..... Java string are immutable for sevarel important design, perstonmance and security neson. Hene's or bnakedown of why: string are used in a network connection. 1. Security: tile pathis, class loading, etc. It stringware mutable someone could modify the content and eneoting security vulnerabilities. 2. String Pooling: Dava uses à string pool to neuse string. Ommutable strings make it safe to share references between variables. 3. Thread softy: Immutable strings are naturally threading so multiple threeads can ned string without 87nchronization. 4. Caching of hasheade: The strings class caches it's hasheoder) nesult for better personmance. This only works if the string content never changes. 5. Simplicity and Reliabilty: When a string is immutable, developers can trust it don't changes unexpectedly after creation. This makes code