1 Diffrence between (a = = b) and a equals(b) Basically, immutable strings can't bevolunted, Ans There is two same postning soft our mode String a = new string ("Hellow"); 1000 string & = new string ("Hellot"); ovol (a = = b): In this case it checks if a and b are the exact same object in the memory. It compares the reference of two strings, doesn't the actual p value on text inside the object. All gromaM. of bonsystemiout, printing a= = b) ymmI . loog 11 false (diffrent object) mom svoz a. equals (b): In this case, it checks the content of a and b strings. It compares the actual text on characters inside the string Brand gried edoso mos system.out printin (a equals (b)), their hashcode (first smess) suntell taster when used in collections like hashmap.

Basically, immutable strings can't be changed, when we try to change, a new string will be created in the memory. a printed Java Strings immutable. Because,

- Security: Strings are used for in passwords,

 URLis, tile paths. It strings are changeable
 hackers could misuse them, smost box of
 - Memory Efficiency: Java used tuses a string pool. Immutable string can be shared to save memory id the thing sale.
- use a string safely without any risk of it being change with abland and restant
 - · Penformence: Immutable strings can cache their hashcode, which makes them faster when used in collections like hashmap.