- \* a. equals (b) (method call)
- i) Applicable: Objects (nedenence type), not Primitive types.
- ii) Pumpose: companes the content on logical equality of two objects.
- of objects a.
- the same as c: (compares memory addresses).

most class

example:

5tring s1 = new string ("Hello");

5/11/19 32 = new (5/12/1) (" Hello");

boolean sa : sa. equals (62);

- \* as: b (Equality)
- ) both Applicable: both Praimitive Types and reelemence types.
  - i) Purpose: For Primitive: companes Value.
- (ii) Betavior: cheeks it values are identical. checks it both meterience same object in philosophy than a second of Point to the memony.

disection is gifted and the confidence of the confidence of

ex Arimitives 4:5% boolean nesult = (n = y) 11 true string sa = new string (" Hello"); Object3 string 52 = new 5tring 14 Hello"); hanleam 51: (50: 52); Il false

- Java Strings are immurfable why?
- 5) yava strings are immutable (commot be changed adden creation) for the following key reconsors
- 1) security: Prevents unauthorized modifications ( tile Paths, network URLs, detabase Competins)
  - ii) Thead Safety: Immutable objects and outomatically Ihnead - Sarle
  - ii) Hash code caching Since string is immutable, 14's hash code 1) can be cached for faster lookups in Hashbet, Hashmap, etc.
  - iv) consistency in collections! Ensures keys in Hashmap on Hashbet

expl. example:

String 51 = "Hello"; 52. concat (" wonld")1 System. out. Primin (61)