9-1: Whats is the difference between (a = = b) and a equals(b) in Java ? Ans. In java, (a == b) checks if a and b refores to the some memory location (reform compartison), while a equals (b) checks if the values on contents of a and b are the Same Content comparcison For objects like string == my return false even if contents match but equals() will return true if contents are equal. For primitive types == compares actual valves i priorte war a zationio

Q-2: Java strings are immutable uhy? Ans: In java, strings are immutable because once a string object is created its value cannot be changed. This is done for: Security - avoids unexpected change in pass, und e in thread Safety - multiple threads can use the same strings safely agreed trastrond among iii) Pertormance - endoles sharing and reusing strong from the string pool as key in Hashmap. Be cause of immutabity, any operation like concentration OT steplace creates a new string instead of modifying the original.