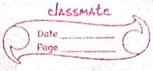
* what is the role of the static keyword in the context of memory management when you declare a variable or method as stolke it stored in method area. rather than here static variable loded into memory when the class is laded by the JUM. only one copy is exits regardless of howevery objects are created. Static occuper occasin in memory for the life tyme. The class. They are not sulleded to gerable collection until The class itseles unbaded. canstatic Method be overbaded & overbidden in yes static method are overtiden overbdodit Java. over loading occurre when multipul method have same name but different parameter within sum chis. All instance of the class access the same statis Variable, so changes made to the static war also or instance reflected in all other instances.



what are harrowing be widining conversion intaca widing conversion occurre when you Try to convert smaller data type To a kingeo dataty This. done automatically by Jula compileur. eg ind To ; long; flow ; double of narowing comerguion occure when you Try to convert larger size data type To smaller size data type This is required an explicit east because there is a potential for daya 11055 :1100 -1146 app eg convert double to int flow short. * Provide example of narrowing & widening conversion between primitive data types. - widing To moding hum = 10; are the double the douvalte = han; 110k long long vulve = Nom; ok Harrowing = double value = 10.12; I de skint wal Int = (ind) value; frat Howling = (Frat) value; how Juvy Handle Potential loss of Precision during Sznobberro phiworum Expicite when you try harrowing. Truncation & Rounding. I tractional Post is tourcuted.

That news fractional Rost removes. Evalue
Is lost. + Explain The concept of automatic unidening con in Java. Automatic widening conversion in Java is a process where the compiler automatically converts a smaller debtype to a larger datatypes. This conversion is safe and does not require explicit carling what arethe implication of harowing & widening conversion on type compatibility & duta loss. in Java Type conversion can affect both type compatibility at the Potential for data loss widening conversion is the Process or convexting a smaller primitive dutable into barger on from int to float To double. purrowing conversion. -> comest lasges data-peter eg double to ind. 8 long to short. Here dutabes is happen.