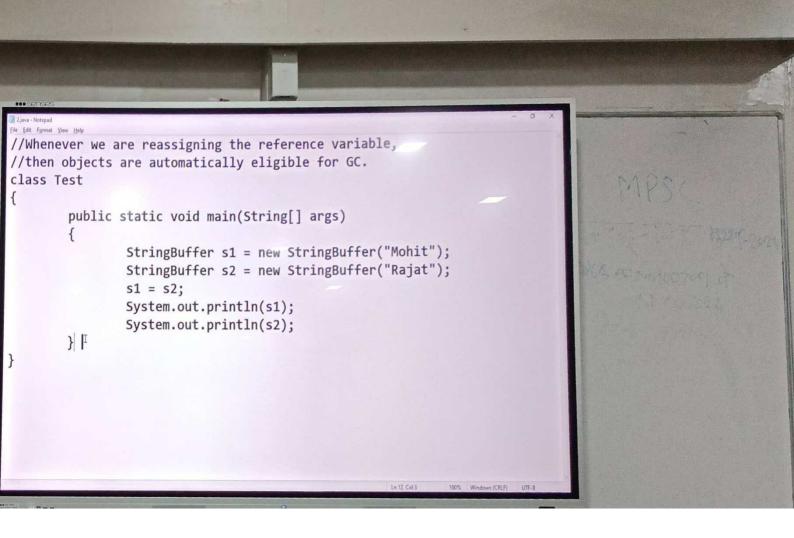
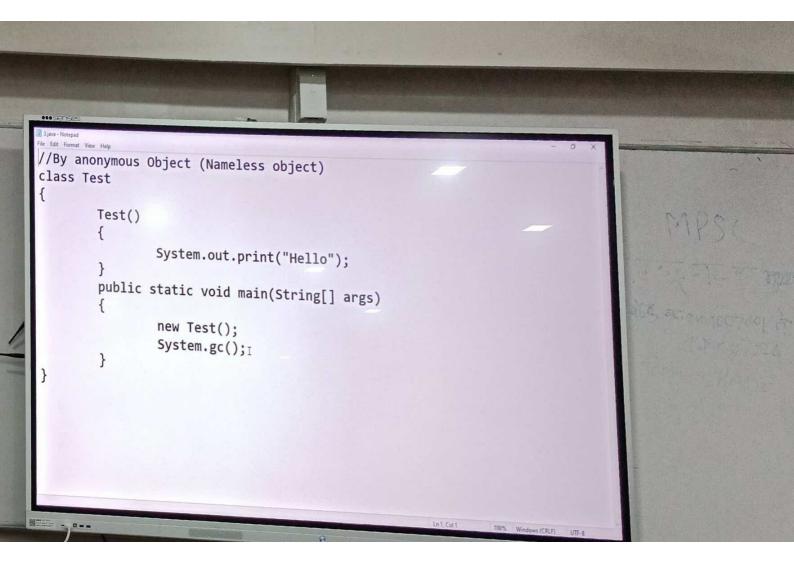
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When object is unreferenced it is considered as unused object so that JVM automatically destroy that unused object.

- The process of destroying unreferenced objects is called garbage collector.
- When object is unreferenced it is considered as unused object so that JVM automatically destroy that unused object.
- In C language, we allocate memory by using malloc() and we destroy that memory by using free(), here the developer is responsible for both operations.
- In CPP language, we allocate memory by using **constructors** and we destroy that memory by using **destructors**, here the developer is responsible for both operations.
- In java, developer is responsible to allocate the memory by creating of **object** and memory will be destroyed by **garbage collector** and it is a part of the JVM

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java.lang.Runtime

- It is used to interact with java runtime environment
- Runtime class is provide the facility to execute a process, to call garbage collector, to check free memory & total memory

We can call garbage collector in two ways

- System class gc() method
- Runtime class gc() method
- Runtime class gc() method is a instance method it is directly interact with garbage collector
- System class gc() method is static method it is internally calling Runtime class gc() method to call the garbage collector



Important Points

- To call the garbage collector explicitly use gc() method it is a static method of System class
- The finalize() method present in Object class & it is called by garbage collector just before destroying the object
- If we are overriding finalize() method then our class finalize() method is executed
- If we are not overriding finalize() method then Object class finalize() method is executed and the Object class finalize() method is having empty implementation

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| 3 Statement Note Help | According to the Help | Acco
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