**Java Interview Questions**

**What is immutable object? Can you write immutable object?**

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| Immutable classes [Ex: String] cannot be modified once created. Any modification in immutable object result in new object. Mostly immutable objects are final so to prevent sub-class from overriding methods in Java which can compromise immutability. |

**Does property of immutable object need to be final?**

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| Make member as not final but private and modify it only in constructor method. |

**What is the difference between creating String as new() and literal?**

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| String s = new String(“Test”); A new operator creates a String on the heap. does not put an object in a String pool, we need to call String intern() method which is used to put the String into String pool explicitly. |
| String s = “Test”; The String literal creates a String in a String pool automatically. |

**How does substring() inside String works?**

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| Substring creates a new Object out of source string by taking a portion of original String. |

**Which two methods you need to implement for key Object in HashMap?**

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| It must implement equals and HashCode Method. |