***Java Quick Study Guide***

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| Sr. No. | Topic | Resource |
| 0 | Java crash course | [Link](https://www.youtube.com/watch?v=eIrMbAQSU34) |
| 1 | Java Collection Framework (Very Important) | [Link](https://www.youtube.com/watch?v=rzA7UJ-hQn4&pp=ygUZamF2YSBjb2xsZWN0aW9uIGZyYW1ld29yaw%3D%3D) |
| 2 | Java OOPS (Very Important) | [Link](https://www.youtube.com/watch?v=a199KZGMNxk&pp=ygUgb2JqZWN0IG9yaWVudGVkIHByb2dyYW1taW5nIGphdmE%3D) |
| 3 | Is Java 100% Object oriented? | [Link](https://www.youtube.com/watch?v=hvBOZQCvqac&pp=ygUkd2h5IGphdmEgaXMgbm90IDEwMCBvYmplY3Qgb3JpZW50ZWQg) |
| 4 | Difference between final, finally and finalize keywords | [Link](https://www.youtube.com/watch?v=RLInHtq9j2w&pp=ygU8RGlmZmVyZW5jZSBiZXR3ZWVuIGZpbmFsLCBmaW5hbGx5IGFuZCBmaW5hbGl6ZSBrZXl3b3JkcyBqYXZh) |
| 5 | Why Java doesn’t have concepts of pointers like C/C++? | [Link](https://www.youtube.com/watch?v=C5kOrWzv2O8&pp=ygUid2h5IGphdmEgZG9lc24ndCBzdXBwb3J0IHBvaW50ZXJzIA%3D%3D) |
| 6 | How to make a class immutable?  | [Link](https://www.youtube.com/watch?v=85lrlPrvrAw&pp=ygUfSG93IHRvIG1ha2UgYSBjbGFzcyBpbW11dGFibGU_IA%3D%3D) |
| 7 | Difference between JDK, JRE and JRM | [Link](https://www.youtube.com/watch?v=s7UgQ7_1KQY&pp=ygUjRGlmZmVyZW5jZSBiZXR3ZWVuIEpESywgSlJFIGFuZCBKUk0%3D) |
| 8 | What is a JIT compiler? | [Link](https://www.youtube.com/watch?v=NHrsLjhjmi4&pp=ygUXV2hhdCBpcyBhIEpJVCBjb21waWxlcj8%3D) |
| 9 | What is a singleton class? How to make a class singleton? | [Link](https://www.youtube.com/watch?v=DxqcnIytTko&pp=ygU5V2hhdCBpcyBhIHNpbmdsZXRvbiBjbGFzcz8gSG93IHRvIG1ha2UgYSBjbGFzcyBzaW5nbGV0b24_) |
| 10 | Difference between process and threads? | [Link](https://www.youtube.com/watch?v=FvN5BWrEWx0&pp=ygUsRGlmZmVyZW5jZSBiZXR3ZWVuIHByb2Nlc3MgYW5kIHRocmVhZHMgamF2YT8%3D) |
| 11 | Why is string immutable in Java? | [Link](https://www.youtube.com/watch?v=Bj9Mx_Lx3q4&pp=ygUgV2h5IGlzIHN0cmluZyBpbW11dGFibGUgaW4gSmF2YT8%3D) |
| 12 | What is difference between StringBuffer and StringBuilder? | [Link](https://www.youtube.com/watch?v=WQ4aA4-MESE&pp=ygU6V2hhdCBpcyBkaWZmZXJlbmNlIGJldHdlZW4gU3RyaW5nQnVmZmVyIGFuZCBTdHJpbmdCdWlsZGVyPw%3D%3D) |
| 13 | What is a wrapper class? | [Link](https://www.youtube.com/watch?v=Fyc86kVIePE&pp=ygUYV2hhdCBpcyBhIHdyYXBwZXIgY2xhc3M_) |
| 14 | Difference between Abstract Classes and Interfaces? | [Link](https://www.youtube.com/watch?v=qZEFslUVfx0&pp=ygUzRGlmZmVyZW5jZSBiZXR3ZWVuIEFic3RyYWN0IENsYXNzZXMgYW5kIEludGVyZmFjZXM_) |
| 15 | Different types of interfaces? | [Link](https://www.youtube.com/watch?v=gTn48ZpeWOs&pp=ygUbV2hhdCBpcyBhIG1hcmtlciBpbnRlcmZhY2U_) |
| 16 | Why does java not support multiple inheritance? | [Link](https://www.youtube.com/watch?v=HnaVobvfSyc&pp=ygUvV2h5IGRvZXMgamF2YSBub3Qgc3VwcG9ydCBtdWx0aXBsZSBpbmhlcml0YW5jZT8%3D) |
| 17 | Java Thread lifecycle | [Link](https://www.youtube.com/watch?v=9O9tTS6LseI&pp=ygUVSmF2YSBUaHJlYWQgbGlmZWN5Y2xl) |
| 18 | Difference between method overloading and method overriding | [Link](https://www.youtube.com/watch?v=CcTzTuIsoFk&pp=ygU7RGlmZmVyZW5jZSBiZXR3ZWVuIG1ldGhvZCBvdmVybG9hZGluZyBhbmQgbWV0aG9kIG92ZXJyaWRpbmc%3D) |
| 19 | What is difference between heap and stack memory? | [Link](https://www.youtube.com/watch?v=_GK3WoFFKUE&pp=ygU2V2hhdCBpcyBkaWZmZXJlbmNlIGJldHdlZW4gaGVhcCBhbmQgc3RhY2sgbWVtb3J5PyBqYXZh) |
| 20 | What is an Association in Java? | [Link](https://www.youtube.com/watch?v=wbvW3w47QRw&pp=ygUfV2hhdCBpcyBhbiBBc3NvY2lhdGlvbiBpbiBKYXZhPw%3D%3D) |