

(Part 14)

(Difference b/w Serialisation and Externalisation)

Serialisation

- ① Meant for default Serialisation
- ② Everything taken care by JVM programmer has no control
- ③ Here we have to save total Object, not possible to save part of the object
- ④ Relatively slow in performance
- ⑤ It is a marker interface \rightarrow Serializable JVM provides implementation.
- ⑥ Best choice when whole object to be saved in file
- ⑦ Serializable implemented class need not contain (public no-args constructor)

Externalisation

- ① Meant for customized Serialisation.
- ② Everything taken care by programmer JVM has no control.
- ③ Here it is possible to save part of the Object
- ④ Fast in performance
- ⑤ It is not a marker interface, It has 2 methods: writeExternal(), readExternal(). Programmer provides implementation.
- ⑥ Best choice when part of object to be saved in file.
- ⑦ Externalizable implemented class needs to have (public no-args constructor) otherwise during deserialisation - RE: Invalid Class Exception.

⑧ Here transient keyword will play a role.

⑧ Here transient keyword will not play any role.