(Part 12)

External is ation, Serialisation

When should one go for externalization and when should it be used more on an experience and when should it

they deposed to provide the stand leaves

Serialisation, -> taken care completely by JVM,

In Serialization it is not possible to partially socialize the object, whole of ject has toke day Even if we use stopped "transient" Keyword we have read default value of these

Externalisation > Complete Control is with the programmer.

Ly In Externalisation part of the object can be ferrably converted to transport supported format. This is not the case with serilisation. Here we can choose which attributes we want to transfer.

Now Imagine a class with the Lots of Attribute and are only need to convert (2-3) attributes into transport format.

If we do serialisation, unnecessarily we will ploub down performance. So we should go for externalisation.

Class Arrount implements Serializeable -> Class bets ferializeable

class Account implements Externalizable > Class hets Externalizeate Ab Mity

Serializeable > It is a marker Interface, how no methods where total ability will be provided by Jum.

till had a to man nemotion est to to me

Externalizeable > two methods are there and programmen is responsible for providing functionality

methodi -> unite External (') read External () method2 >

the sheet prige

Externalizeable(I) & this is child interfore of feriolizeable ?.

and hence becaused lagines of perogrammen it is not so so the 10 man and and

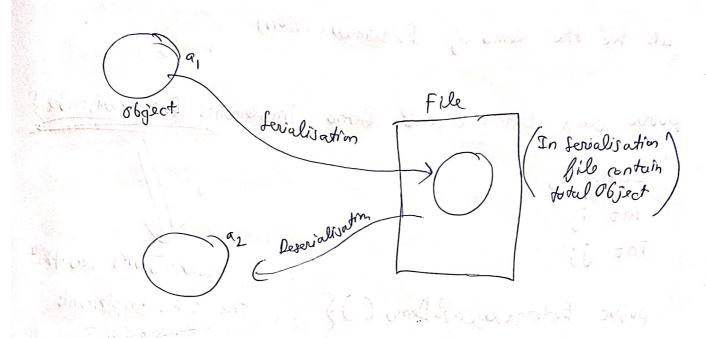
1. write Esternal () 2 000 Constant

- O Serialization () -> Logic to k anithm
- To Some nequired properties to too a sill combile

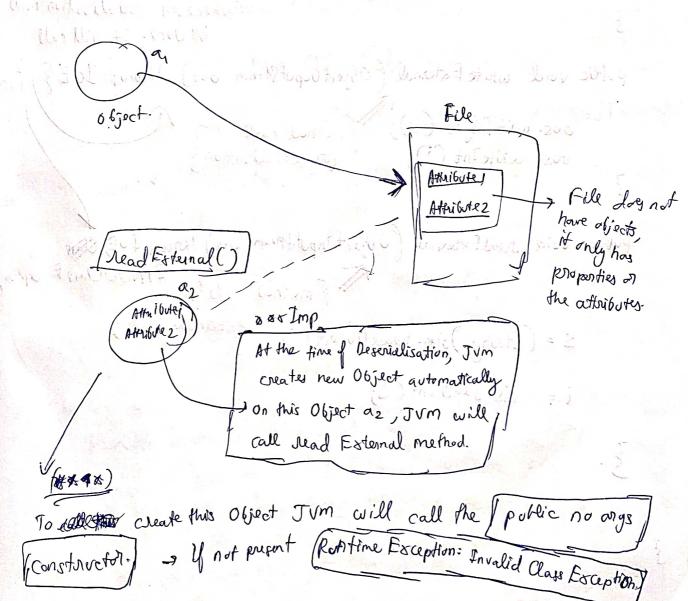
2 read External () {

- 1 Descrialisation () > logic to descrialize
- Since it requires programmer (To read the regulard variables from the file

popular, of Kanneston To



(In Externalization.) (19 bourtens) pro-on soday"



(Part 13)

(lets see the demo of Expernalisation)

Externalizeable Demo implements Externalizeable & public class Strong S; int i; When Jum seus that int jj the class implements Externalizeable Demo ()} South Esternalization Sout ("public no-arg constructor"); Whenever ferialisation will 3 te done. If will call public void write External (Object Ouput Stellam 003) thows IDE {}), methods oos. write. Object (s); } method call for serialisation } unite Int (i); Public void read External (Object Input Fleam ols) throws LOE, there INvalid Class Foceptions 5 methed call for 2 esternalisation { S = (String) ois-read Object () ois. read Int (); so topico all THE TOTAL TOTAL STATE OF THE TOTAL TOTAL TOTAL

3

```
psvm() {

ExternalizeDemo ti= new Externalize Demo();

ti·S=" test";

ti·i=10)
```

FOS fos = new FOS ("abc.ser");

OOS oos = new OOS (fos);

oos-awrik Object (ti);

FIS fis="new FIS ("abc.sun");

OIS ois = new OIS (fis);

Externalizeable Demo t2 = (Externalizeable Demo) 015-read External C;

During Deservalisation, JVM will call Est pulsic no-args construction of the Object leing creaked.

Ind that the Transient Key-word has no use in

Externalisation. If we declare an attribute transient

and make it participate in externalization, it will

work and data will get transformed,