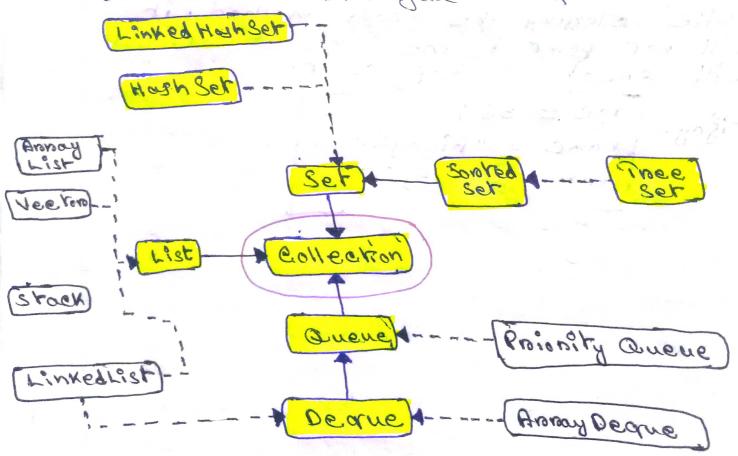
## ObJect-Oriented-Programming #LEC-7

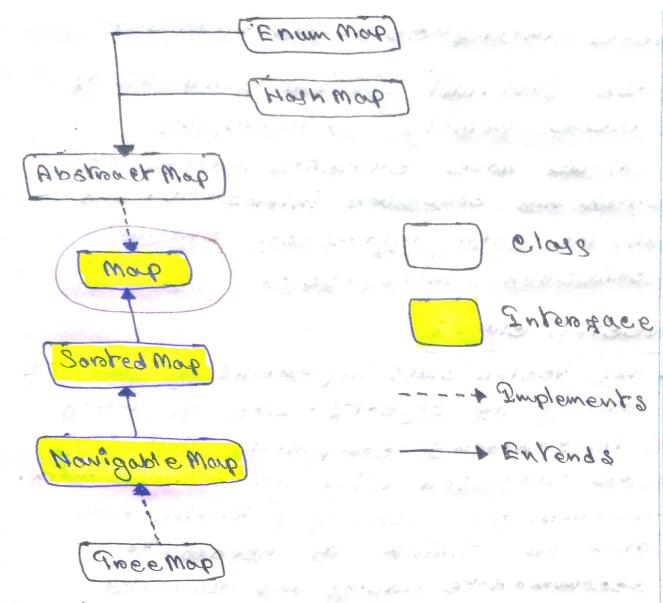
## · Collections Proameworks

In the collections Fromework we are going to use the interval linked list that Sava has provided us.

## · Heed of callection Enameroupy:

In Sava Collection Framework enabled the user to perform warious data manipulation operations like sorting data, searching a corting, insertion, deletion and updating of data on the group of elements. and In Savarutil you will find this





- intenface, on we can say it has set of intenfaces
- · Armay, Linkedlist, Stack, Projointy Quene tree map they have some common sets of methods, that pergan in some functions, like: getll, nemouel) etc. So the data strongtone is different but method is some
- · Collection frome work provide usa Single Interspace, which consist of all of

these interspaces and methods:

- o In Sava well gan will sind all of
- eollection interpace.

## · vectore class:

- Them & after the Neeten was been sheeted.
- · Mecton Synchronisations In amaylist multiple threads can access the same objects. The annaylist is not Synchronized.

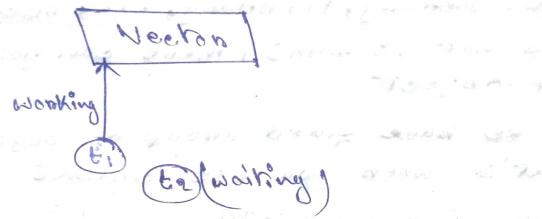


So, is there is multiple thread, like: A, B, e,.

phosend A, B, C, D they all can access the aronay list. Object

out in case of nectors multiple throads ear not access the vector all at the same time. While one through is wonking on the object the other threads will be waiting,

100,000 20



- En ums :
- Enum, introduced in Dava 5
- . It is a special data type mat consists of a set of pre-defined named values separated by comman.
  - · These named values are also known as elements on enumerations on Chum instances.
  - · Since the values in the enum type one constant, you should always nepnesent them in uppercase letters.

- How can not change it is constant
  - need on numbers of posticulors you objects only

for enample & months - the particular object exist for months one. 12, 1:ke: Samuary, Pebrovary, ..., December. and not 13 moths, there can not be 13 object

- · It we have gived group of objects
  that's when you use entimes
- Jana · lang · en um class
- oud we know in Sourd multiple inhersitance is not allowed and a class can entend one parent class in Jana 1 80 enum can not entend anything else
- method either pe a super class
- · So, we can also implements enum interestaces in enum closses · enum can implement as many interpase

as It want

method body is nequired.