

*) Executing multiple threads (Sub pricus/ small talins) at single time.

MIC

+) Used in Sfw eig

to where to use

claes b. 2. N.W() class video of Thread 1 2 void play()

-> Thread 1 chaes music () -2 void start)

possible because when we play call Video metic it not there & when We call Mulle rideo a val we have to execute panallely on the functions so convent thing

4) Multi Threading () best suitable at programming level +) Java provides Pre défined API for Multithreading eig. thread, Runable, Thread Grant. Different between Proces & Thready Thready 11 / 2 Mars 1 proces 2) A program which is is #) It a subpart of froces Stali CSmall tasky Executions +) Process & heavy weight +) Thread & light weight. +) Thread town her time content to proud take more time for context for context building to) Taues less time for inter +) Takes work time for Ther process Communication Thread Consunitation -*) Thread chanes came address space. #) Each prouses has different Address space 4) Process are not dependent +) Threads are dependent to each other. on Easy other 4) Thread may required of) process does not rearrived Synchronitation Synchronitation 4) Resource Consumption of 4) Resource Coveruption of mare Hore te) less time for creation *) Resuires took time for Creation to) less time for termial 4) Process Reactives more gue for terrenotion

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+) There are two ways -) By wing Thread (class) Runaise (interface). veing Thread (class) pacuage java. Lary class thread emplements from 11 method Run () getNarie () & SetNarie() _ soinc) create a thread: class test extends Thread. 3 public void run () p. s. v. m () erreali an object of the 3 Test ob = new rest(); - 06. start (); start the threed 3

tife Cycle of thread. J'vm will allocate the Processor creati Runable task conficted dead Non Runasle He steeper, waiting, } Runnasle Interface. pachage joua. Long; pussic interface Rumasle I method (only one method) run ()

```
pushic class test extends Thoroug
   public void nun()
  3 2 8.0. p (" sat");
   (++) ( C)= > ) ( <=(B) ; c++)
    -3 3.0.p ( " runing ... "+ this. get Name ()).
     - 2 S. o. p (i);
    p. s. v. m ()
     à test ti= new test ().
        test to= new tester.
        t1. start ():
        t2. Stant-():
        Ving Runaste: interface.
class test implements Runnusle
         puelic void runc)
          3 for ( i=0 ; i <=10; itt)
             2. 8. 0. P ( " running
            p.g.v.m()
             2 test t= new test();
             Thread th = new. Thread (t);)
            the stark();
```