**Thread**

**Thread :**

* Thread is a flow execution (or)
* It is a small part of an application
* It is a light weight process
* We will create 1thread for first 500 lines, We will create 2thread for second 500 linesboth threads runs parallelly
* Program which contain multiple threads is called as multithreaded and this process is called multithreading
* Each and every program contains at least one thread by default we are using main thread ( main() )

**Creating threads :**

Generally threads can be created in two ways

1. Class can extends with thread class
2. Class can implementing with runnable interface

**Creating thread by extending with thread class :**

* Create a class
* Our Class which extends with thread class
* For defining thread we have to override run()

Public void run(); // run method belong to thread class

* Using start() we can start the execution of thread

**Example :**

**Creating a thread by implementing runnable interface :**

**package** com.technoelevate.threds;

**public** **class** Thread1 **extends** Thread **implements** Runnable {

@Override

**public** **void** run() {

System.***out***.println("hi my name is prudhvi");

}

**public** **static** **void** main(String[] args) {

Thread1 th = **new** Thread1(); // by extends with thread class

Thread th1 = **new** Thread(**new** Thread1()); // by implements runnable

th.start();

th1.start();

}

}

***public******class*** *Demo* ***extends*** *Thread*

*{*

***public******void*** *run()*

*{*

***for****(****int*** *i=1; i<=5; i++)*

*{*

*System.****out****.println("prudhvi");*

*}*

*}*

*}*

***---- main method-----***

***public******class*** *Main*

*{*

***public******static******void*** *main(String[] args)* ***throws*** *InterruptedException*

*{*

*Demo d1 =* ***new*** *Demo();*

*d1.start();*

*Thread.sleep(5000);*

***for****(****int*** *i =1; i<=5; i++)*

*{*

*System.****out****.println("Thread.sleep");*

*}*

*}*

*}*

**Thread priority :**