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Creating Threads (Part 2) in Java

=> By using "Runnable" interface :-

➔ Steps to create thread using "Runnable" interface :-

1. inherits the "Runnable" interface
2. override the run() method
3. create an instance of the class
4. create an instance of Thread class and pass the above class instance in thread class constructor
5. start the thread

=> Life cycle of thread :-

1. Born : New thread is created.

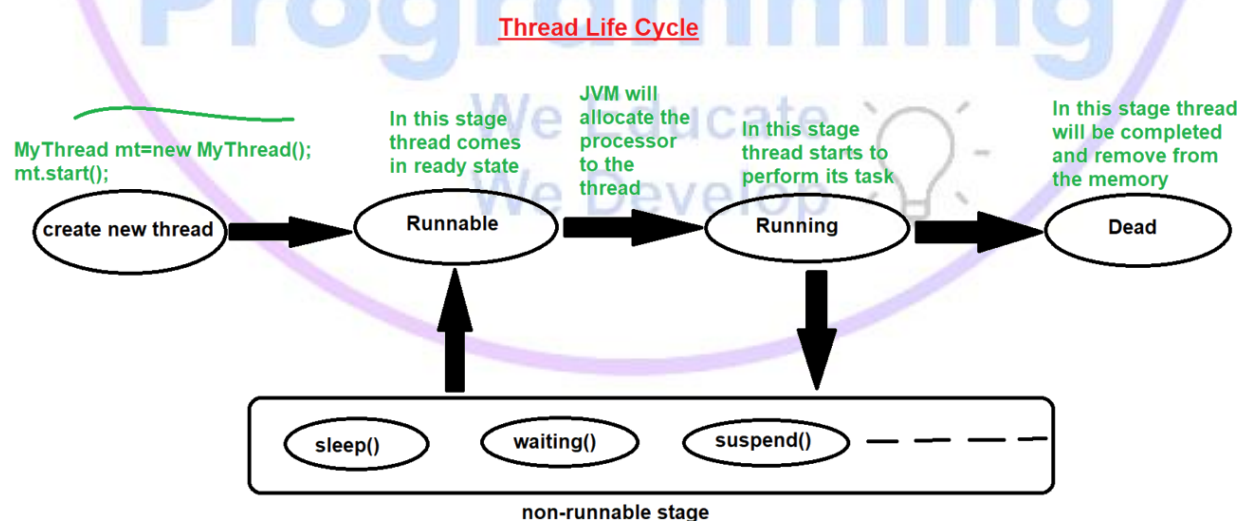
```
MyThread mt=new MyThread();  
mt.start();
```

2. Runnable : In this stage thread comes in ready stage

3. Running : In this stage thread starts its task i.e. run() method is executing

4. Non-Runnable : In this stage thread does not perform any task. But when the thread is invoked then thread goes to the runnable stage and then it goes to the running stage

5. Dead : In this stage thread completes its task and removed from the memory



=> Note :

- ➔ We can invoke (start) the thread only once. If we try to start the thread again it will provide an exception saying
`java.lang.IllegalThreadStateException`



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