Thread pool:

* Thread pool is a collection of multiple threads which already have been created and ready and ready for usage. In the real time application, creating threads manually and using them would reduce the performance of application. Hence, thread pool is the better approach.
* The advantage of thread pool is re-usability of threads.

Callable interface:

* Callable interface has been introduced in java 1.5 version onwards.
* Callable interface contains one abstract method public Object call();
* Callable interface is functional interface because it contains only one abstract method i.e .call() method

Difference b/n Runnable run() and Callable call():

|  |  |
| --- | --- |
| run() | call() |
| Runnable run() method does not return anything (return type is void). | Callable call() method return an object (any object) for any future purpose. |

How to achieve multithreading by implementing Callable interface:

We can use submit() method in Executers.