**Добавление задач в Executer-ы.**

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| 1  2  3  4  5  6  7  8  9  10  11  12 | ExecutorService executorService = Executors.newFixedThreadPool(4);  List<Future> futures = new ArrayList<Future<Integer>>();  futures.add(executorService.submit(A));  futures.add(executorService.submit(B));  futures.add(executorService.submit(C));  futures.add(executorService.submit(D));  Then we can iterate over the list to get the computed result of each future:  for (Future future:futures) {      Integer result = future.get();      // rest of the code here.  } |

|  |  |
| --- | --- |
| 1  2    3  4  5  6  7  8  9  10  11  12 | ExecutorService executorService = Executors.newFixedThreadPool(4);  CompletionService executorCompletionService=  new ExecutorCompletionService<>(executorService );  List<Future> futures = new ArrayList<Future<Integer>>();  futures.add(executorCompletionService.submit(new ....));  futures.add(executorCompletionService.submit(() -> {  for (int r = 0; r < 100; r++) {...}  }  );  futures.add(executorCompletionService.submit(...));  futures.add(executorCompletionService.submit(...));;    for (int i=0; i<futures.size(); i++) {      Integer result = executorCompletionService.take().get();      // Some processing here  } |