

1、模拟 task:求整数 1+2+3+...+101 的和

2、使用说明：

(1) 启动 master:运行 com.yq.exercises.task.decompose.start 中的 MasterStart 类

(2) 启动 worker1:运行 com.yq.exercises.task.decompose.start 中的 WorkerStart1 类

(3) 启动 worker2:运行 com.yq.exercises.task.decompose.start 中的 WorkerStart2 类

(4) 模拟客户端提交任务：运行 com.yq.exercises.task.decompose.start 中的 ClientStart 类

3、运行效果

```
Run: MasterStart x WorkerStart1 x WorkerStart2 x ClientStart x
/Library/Java/JavaVirtualMachines/jdk1.8.0_181.jdk/Contents/Home/bin/java ...

[2019-02-15 00:12:47] -> getClientId=page:0001
[2019-02-15 00:12:47] -> submit is ok
[2019-02-15 00:12:49] -> read:
task is begin and planning for implementation
findWorkerForBlueprint is success!
send worker 192.168.1.18:3865 for blueprint
[2019-02-15 00:12:58] -> read:
Blueprint{clientId='page:0001', planTable:

the task clientId is :page:0001
192.168.1.18:3865 -> [SumTask{clientId='page:0001', errorFlag=-1, begin=85, end=101, subTaskCount=5}, SumTask{clientId='page:0001', errorFlag=-1, begin=64, end=84, subTaskCount=5}, SumTask{clientId='page:0001', errorFlag=-1, begin=43, end=63, subTaskCount=5}]
192.168.1.18:231 -> [SumTask{clientId='page:0001', errorFlag=-1, begin=22, end=42, subTaskCount=5}, SumTask{clientId='page:0001', errorFlag=-1, begin=1, end=21, subTaskCount=5}]

}
[2019-02-15 00:13:14] -> read:
192.168.1.18:3865 map success and the speed is 20%
[2019-02-15 00:13:19] -> read:
192.168.1.18:3865 map success and the speed is 40%
192.168.1.18:3865 map success and the speed is 60%
[2019-02-15 00:13:24] -> read:
192.168.1.18:3865 map success and the speed is 80%
[2019-02-15 00:13:34] -> read:
192.168.1.18:3865 map success and the speed is 100%

[2019-02-15 00:13:34] -> the task is success and result is:5151
```

子任务分配结果

任务进度反馈

任务计算结果

补充说明：

1.worker1 有大小为 3 的线程池，模拟一个 3 核的机器

2.worker2 有大小为 2 的线程池，模拟一个 2 核的机器