

# Task 1

```
C:\Users\CharlotFirth\Desktop\2021春\数据库\数据库第10次上机\数据库第10次上机\Redis-x64-5.0.10>redis-server.exe --service
e-install redis.windows.conf
[25416] 06 Jun 21:05:06.292 # Granting read/write access to 'NT AUTHORITY\NetworkService' on: "C:\Users\CharlotFirth\Desktop\2021春\数据库\数据库第10次上机\数据库第10次上机\Redis-x64-5.0.10" "C:\Users\CharlotFirth\Desktop\2021春\数据库\数据库第10次上机\数据库第10次上机\Redis-x64-5.0.10\"
[25416] 06 Jun 21:05:06.296 # Redis successfully installed as a service.
```

安装成功

## Task2

因为会出现奇怪的韩文，所以就把汉字全部换成英文了

### 1.

```
hmset student:19373073 name "He Xiaolong" age 20 class "192112" major "Software Engineering"
```

```
127.0.0.1:6379> hmset student:19373073 name "He Xiaolong" age 20 class "192112" major "Software Engineering"
OK
```

### 2.

```
hmset course:B3I214910 courseId "B3I214910" name "Graduation Design Practice"
type "compulsory" instructor "Tan Huobin" category "Core Specialty" credit 8.0
capacity 179
hmset course:B3J214620 courseId "B3J214620" name "Job hunting and thesis
counseling II" type "limit"
instructor "Tan Huobin" category "General Specialty" credit 1.0 capacity 179

hincrby course:B3I214910 capacity 11
hgetall course:B3J214620
```

```
127.0.0.1:6379> hmset course:B3I214910 courseId "B3I214910" name "Graduation Design Practice" type "compulsory" instructo
r "Tan Huobin" category "Core Specialty" credit 8.0 capacity 179
Invalid argument(s)
127.0.0.1:6379> hmset course:B3I214910 courseId "B3I214910" name "Graduation Design Practice" type "compulsory" instruct
or "Tan Huobin" category "Core Specialty" credit 8.0 capacity 179
OK
127.0.0.1:6379> hmset course:B3J214620 courseId "B3J214620" name "Job hunting and thesis counseling II" type "limit"
OK
127.0.0.1:6379> hincrby course:B3I214910 capacity 11
(integer) 190
127.0.0.1:6379> hgetall course:B3J214620
1) "courseId"
2) "B3J214620"
3) "name"
4) "Job hunting and thesis counseling II"
5) "type"
6) "limit"
```

### 3.

```
sadd course:B3I214910:students "19373073" "19373001" "19373002"
sadd course:B3J214620:students "19373002" "19373003"
sismember course:B3J214620:students "19373073"
smembers course:B3I214910:students
scard course:B3J214620:students
sinter course:B3I214910:students course:B3J214620:students
```

```
127.0.0.1:6379> sadd course:B3I214910:students "19373073" "19373001" "19373002"
(integer) 3
127.0.0.1:6379> sadd course:B3J214620:students "19373002" "19373003"
(integer) 2
127.0.0.1:6379> sismember course:B3J214620:students "19373073"
(integer) 0
127.0.0.1:6379> smembers course:B3I214910:students
1) "19373001"
2) "19373002"
3) "19373073"
127.0.0.1:6379> scard course:B3J214620:students
(integer) 2
127.0.0.1:6379> sinter course:B3I214910:students course:B3J214620:students
1) "19373002"
127.0.0.1:6379>
```

## Task3

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### a1

---

```
127.0.0.1:6379> SUBSCRIBE Shizurin Nagiha
Reading messages... (press Ctrl-C to quit)
1) "subscribe"
2) "Shizurin"
3) (integer) 1
1) "subscribe"
2) "Nagiha"
3) (integer) 2
1) "message"
2) "Shizurin"
3) "test message1"
1) "message"
2) "Nagiha"
3) "test message3 PM"
1) "message"
2) "Shizurin"
3) "test message5"
1) "message"
2) "Nagiha"
3) "test message6"
```

### a2

---

```
C:\Users\CharlotFirth\Desktop\2021春\数据库\数据库第10次上机\数据库第10次上机\Redis-x64-5.0.10>redis-cli
127.0.0.1:6379> SUBSCRIBE Shizurin CSZDCR
Reading messages... (press Ctrl-C to quit)
1) "subscribe"
2) "Shizurin"
3) (integer) 1
1) "subscribe"
2) "CSZDCR"
3) (integer) 2
1) "message"
2) "Shizurin"
3) "test message1"
1) "message"
2) "CSZDCR"
3) "test message2"
1) "message"
2) "CSZDCR"
3) "test message4"
1) "message"
2) "Shizurin"
3) "test message5"
```

## s1

---

```
C:\Users\CharlotFirth\Desktop\2021春\数据库\数据库第10次上机\数据库第10次上机\Redis-x64-5.0.10>redis-cli
127.0.0.1:6379> PUBLISH Shizurin "test message1"
(integer) 2
127.0.0.1:6379> PUBLISH Shizurin "test message5"
(integer) 2
127.0.0.1:6379>
```

## s2

---

```
C:\Users\CharlotFirth\Desktop\2021春\数据库\数据库第10次上机\数据库第10次上机\Redis-x64-5.0.10>redis-cli
127.0.0.1:6379> PUBLISH Nagiha "test message3 PM"
(integer) 1
127.0.0.1:6379> PUBLISH Nagiha "test message6"
(integer) 1
127.0.0.1:6379>
```

## s3

---

```
C:\Users\CharlotFirth\Desktop\2021春\数据库\数据库第10次上机\数据库第10次上机\Redis-x64-5.0.10>redis-cli
127.0.0.1:6379> PUBLISH CSZDCR "test message2"
(integer) 1
127.0.0.1:6379> PUBLISH CSZDCR "test message4"
(integer) 1
127.0.0.1:6379> _
```