

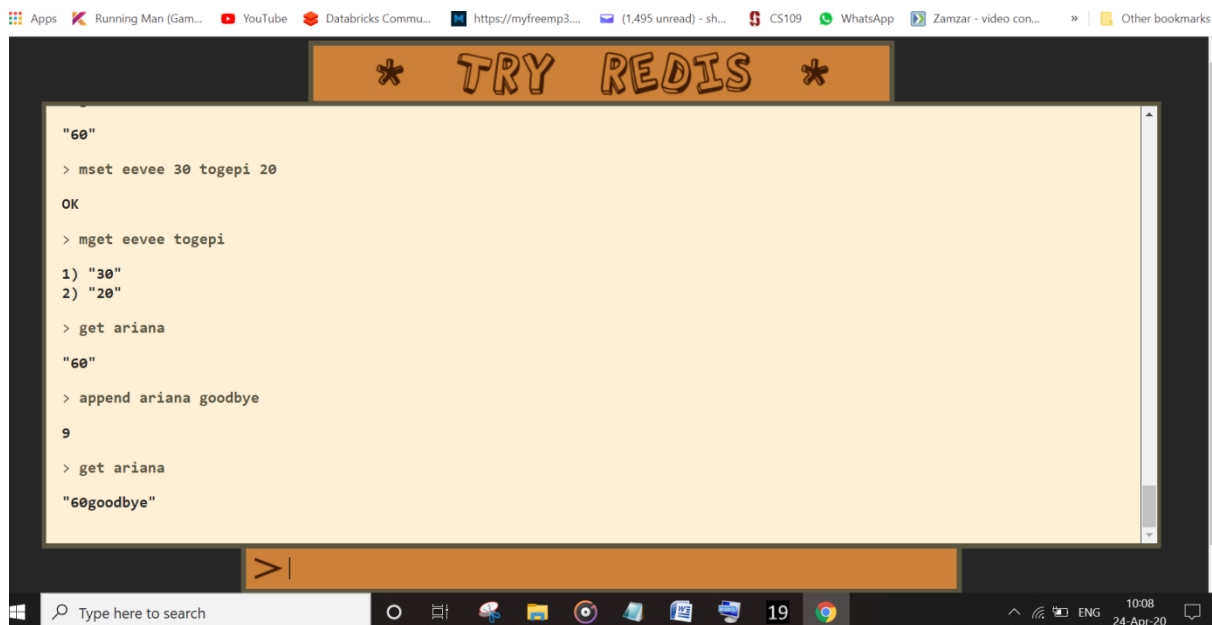
Lab digital assignment (Redis)

REDIS BASIC COMMANDS



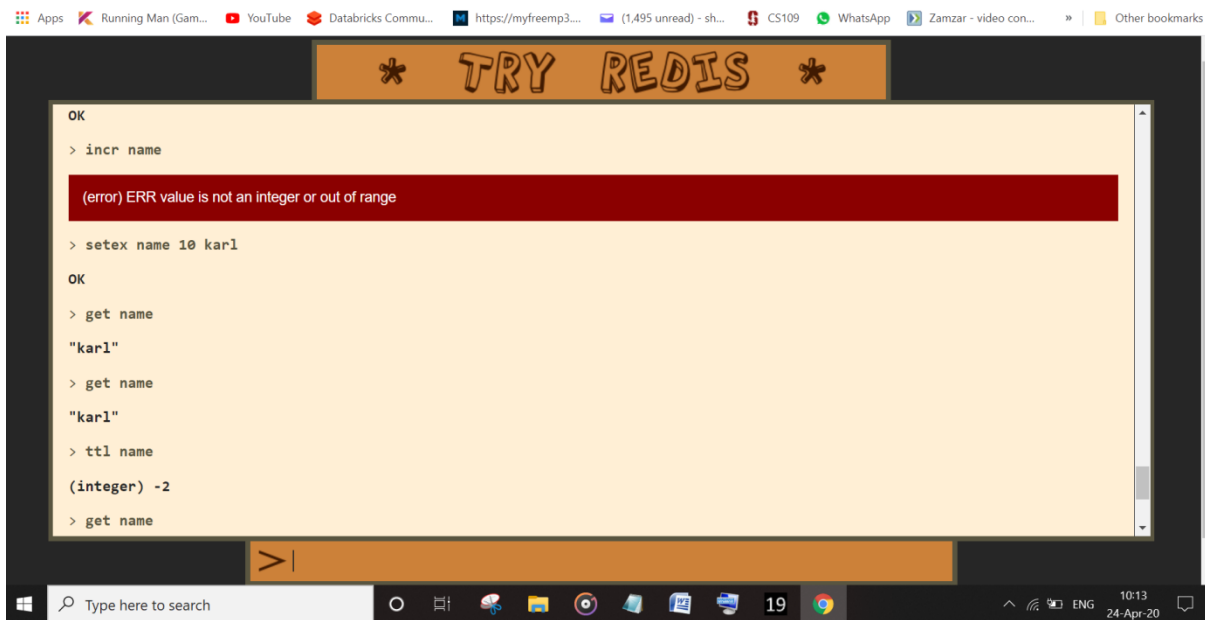
The screenshot shows a web browser window with a terminal interface titled "TRY REDIS". The terminal displays a series of Redis commands and their outputs. The commands include setting values for 'name' and 'pikachu', and retrieving them. The browser's address bar shows a URL starting with 'https://myfreemp3...'. The Windows taskbar at the bottom shows the search bar and several application icons.

```
> set name ariana
OK
> get name
"ariana"
> set ariana 60
OK
> set pikachu 40
OK
> get pikachu
"40"
> get ariana
"60"
```



This screenshot continues the Redis terminal session. It shows the use of 'mset' to set multiple key-value pairs, 'mget' to retrieve them, and 'append' to add text to an existing string. The terminal output shows the results of these commands. The browser window and Windows taskbar are consistent with the previous screenshot.

```
"60"
> mset eevee 30 togepi 20
OK
> mget eevee togepi
1) "30"
2) "20"
> get ariana
"60"
> append ariana goodbye
9
> get ariana
"60goodbye"
```



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* TRY REDIS *

```
> get name
"karl"
> ttl name
(integer) -2
> get name
(nil)
> setex name 10 karl
OK
> get name
"karl"
> ttl name
(integer) 5
```

> |

Type here to search

19

ENG 10:14 24-Apr-20

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* TRY REDIS *

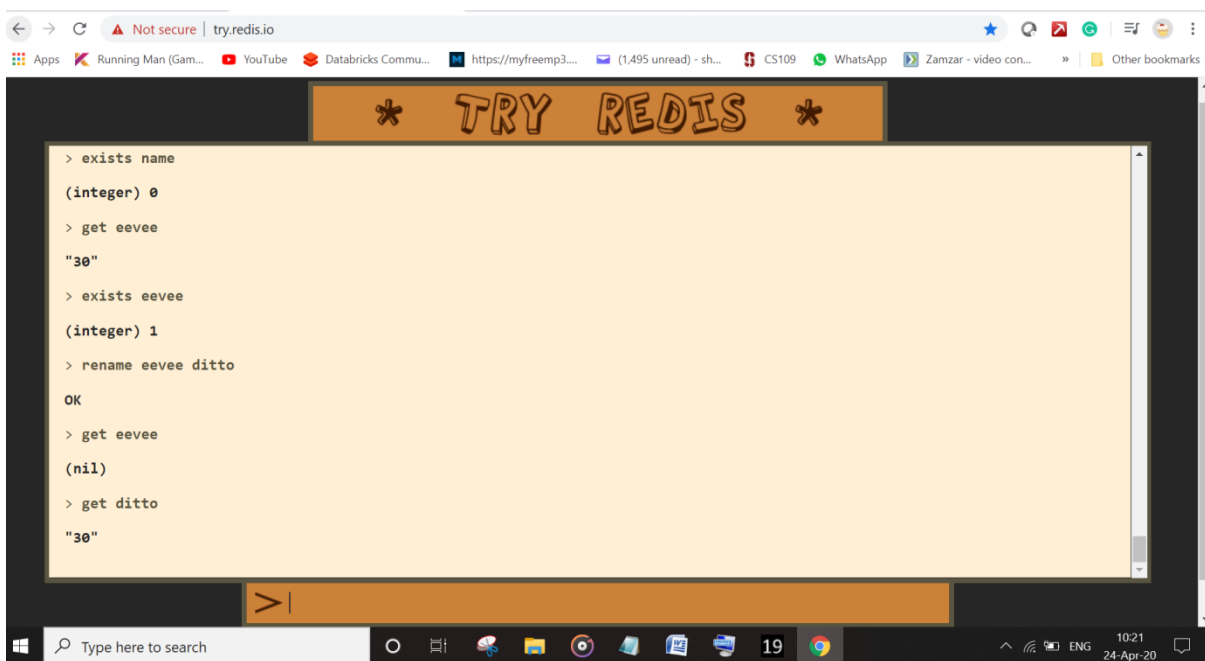
```
> ttl name
(integer) 5
> get pikachu
"34"
> setnx pikachu 23
(integer) 0
> get pikachu
"34"
> setnx raichu 23
(integer) 1
> get raichu
"23"
```

> |

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19

ENG 10:15 24-Apr-20



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* TRY REDIS *

```
OK
> set toni 25
OK
> set tori 24
OK
> set tahini 30
OK
> keys t?i
(empty list or set)
> keys t??i
1) "toni"
2) "tori"
```

Type here to search

19 10:24 24-Apr-20

```
> keys t*i
1) "tahini"
2) "toni"
3) "tori"
4) "togeipi"
```

Type here to search

19 10:25 24-Apr-20

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Apps Running Man (Gam... YouTube Databricks Commu... https://myfreemp3... (1,495 unread) - sh... CS109 WhatsApp Zamzar - video con... Other bookmarks

* TRY REDIS *

```
3) "tori"
4) "togeipi"
> set tom 10
OK
> set tam 21
OK
> set tim 27
OK
> set toom 45
OK
> keys t[oi]m
1) "tim"
2) "tom"
```

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19 10:27 24-Apr-20

```
OK

> keys t[oi]m

1) "tim"
2) "tom"

> keys t[^i]m

1) "tam"
2) "tom"

> keys t[-o]m

1) "tom"
```

LISTS IN REDIS

```
* TRY REDIS *
```

```
> lpush character hercules
(integer) 1

> lpush character ironman
(integer) 2

> lpush character loki
(integer) 3

> lpush character thor
(integer) 4

> rpush character thor
(integer) 5

> lrange character 0 5

1) "thor"
2) "loki"
3) "ironman"
```

```
* TRY REDIS *
```

```
> rpush character thor
(integer) 5

> lrange character 0 5

1) "thor"
2) "loki"
3) "ironman"
4) "hercules"
5) "thor"

> rpop character
"thor"

> lrange character 0 5

1) "thor"
2) "loki"
3) "ironman"
4) "hercules"
```

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Apps Running Man (Gam... YouTube Databricks Commu... https://myfreemp3... (1,495 unread) - sh... CS109 WhatsApp Zamzar - video con... Other bookmarks

* TRY REDIS *

```
thor
> lrange character 0 5
1) "thor"
2) "loki"
3) "ironman"
4) "hercules"
> llen character
(integer) 4
> lset character 0 doctorstrange
OK
> lrange character 0 5
1) "doctorstrange"
2) "loki"
3) "ironman"
4) "hercules"
```

> |

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10:36 24-Apr-20

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Apps Running Man (Gam... YouTube Databricks Commu... https://myfreemp3... (1,495 unread) - sh... CS109 WhatsApp Zamzar - video con... Other bookmarks

* TRY REDIS *

```
> del fruits
(integer) 1
> get fruits
(nil)
> lpush fruits mango
(integer) 1
> lpush fruits mango
(integer) 2
> lpush fruits mango
(integer) 3
> lpush fruits apples
(integer) 4
> lpush fruits apples
```

> |

Type here to search

19

10:39 24-Apr-20

Apps Running Man (Gam... YouTube Databricks Commu... https://myfreemp3... (1,495 unread) - sh... CS109 WhatsApp Zamzar - video con... Other bookmarks

* TRY REDIS *

```
(integer) 4
> lpush fruits apples
(integer) 5
> lrange fruits 0 4
1) "apples"
2) "apples"
3) "mango"
4) "mango"
5) "mango"
> lrem fruits -2 mango
(integer) 2
> lrange fruits 0 4
1) "apples"
2) "apples"
3) "mango"
```

> |

Type here to search

19

10:40
24-Apr-20

Apps Running Man (Gam... YouTube Databricks Commu... https://myfreemp3... (1,495 unread) - sh... CS109 WhatsApp Zamzar - video con... Other bookmarks

* TRY REDIS *

```
(integer) 4
> lpush fruits mango
(integer) 5
> lrange fruits 0 7
1) "mango"
2) "mango"
3) "apples"
4) "apples"
5) "mango"
> lrem fruits 0 mango
(integer) 3
> lrange fruits 0 2
1) "apples"
2) "apples"
```

> |

Type here to search

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10:42
24-Apr-20

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Apps Running Man (Gam... YouTube Databricks Commu... https://myfreemp3... (1,495 unread) - sh... CS109 WhatsApp Zamzar - video con... Other bookmarks

*** TRY REDIS ***

```
> lindex fruits 0
"apples"
> lpush fruits cherry
(integer) 3
> lpush fruits orange
(integer) 4
> lrange fruits 0 3
1) "orange"
2) "cherry"
3) "apples"
4) "apples"
> lindex fruits 1
"cherry"
```

> |

Type here to search

19

10:43 24-Apr-20

SET OPERATIONS

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Apps Running Man (Gam... YouTube Databricks Commu... https://myfreemp3... (1,495 unread) - sh... CS109 WhatsApp Zamzar - video con... Other bookmarks

*** TRY REDIS ***

PONG

```
> sadd fruits apples
(integer) 1
> sadd fruits oranges
(integer) 1
> sadd fruits banana
(integer) 1
> sadd fruits mangoes pear
(integer) 2
> smembers fruits
1) "mangoes"
2) "oranges"
3) "banana"
4) "apples"
```

> |

Type here to search

19

08:36 24-Apr-20

* TRY REDIS *

```
> sadd fruits banana
(integer) 1
> sadd fruits mangoes pear
(integer) 2
> smembers fruits
1) "mangoes"
2) "oranges"
3) "banana"
4) "apples"
5) "pear"
> scard fruits
5
> sismember fruits apples
(integer) 1
```

> |

Type here to search

19

08:38
24-Apr-20

```
> sismember fruits potato
(integer) 0
> smembers fruits
1) "apples"
2) "oranges"
3) "mangoes"
4) "banana"
5) "pear"
```

> |

Type here to search

19

08:39
24-Apr-20

```
> spop fruits
"oranges"
> smembers fruits
1) "mangoes"
2) "banana"
3) "apples"
4) "pear"
```

> |

Type here to search

19

08:40
24-Apr-20

Apps Running Man (Gam... YouTube Databricks Commu... https://myfreemp3... (1,495 unread) - sh... CS109 WhatsApp Zamzar - video con... Other bookmarks

* TRY REDIS *

```
> sadd sub1 eng maths phy
(integer) 3
> smembers sub1
1) "eng"
2) "phy"
3) "maths"
> sadd sub2 eng chem geo
(integer) 3
> smembers sub2
1) "eng"
2) "geo"
3) "chem"
> sunion sub1 sub2
1) "eng"
2) "geo"
```

Type here to search

19

08:44
24-Apr-20

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Apps Running Man (Gam... YouTube Databricks Commu... https://myfreemp3... (1,495 unread) - sh... CS109 WhatsApp Zamzar - video con... Other bookmarks

* TRY REDIS *

```
(integer) 3
> smembers sub2
1) "eng"
2) "geo"
3) "chem"
> sunion sub1 sub2
1) "eng"
2) "geo"
3) "maths"
4) "phy"
5) "chem"
> sinter sub1 sub2
1) "eng"
> sdiff sub1 sub2
1) "maths"
2) "phy"
```

Type here to search

19

08:46
24-Apr-20

Apps Running Man (Gam... YouTube Databricks Commu... https://myfreemp3... (1,495 unread) - sh... CS109 WhatsApp Zamzar - video con... Other bookmarks

* TRY REDIS *

```
> smembers result
(empty list or set)

> sunionstore result sub1 sub2

5

> smembers result
1) "eng"
2) "geo"
3) "maths"
4) "phy"
5) "chem"

> sinterstore res1 sub1 sub2

1

> smembers res1
1) "eng"
```

> |

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```
> sinterstore res1 sub1 sub2

1

> smembers res1
1) "eng"

> sdiffstore res2 sub1 sub2

2

> smembers res2
1) "maths"
2) "phy"
```

>

Type here to search 19 08:51 24-Apr-20

* TRY REDIS *

```
> smembers sub1
1) "eng"
2) "phy"
3) "maths"

> smembers sub2
1) "eng"
2) "geo"
3) "chem"

> smove sub1 sub2 maths

(integer) 1

> smembers sub2
1) "eng"
2) "geo"
3) "maths"
4) "chem"

> smove sub2 sub1 geo
```

>

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* TRY REDIS *

```
> smove sub2 sub1 geo
```

```
(integer) 1
```

```
> smembers sub1
```

```
1) "eng"
```

```
2) "geo"
```

```
3) "phy"
```

```
> srandmember sub1
```

```
"geo"
```

```
> sadd sub1 eng
```

```
(integer) 0
```

```
> smembers sub1
```

```
1) "eng"
```

```
2) "geo"
```

```
3) "phy"
```

>