



## PG-DBDA September 2023 C-DAC THIRUVANANTHAPURAM

### REDIS – LAB 1

1. Do the following in the Redis database numbered **5**.

a) Create a string key named **institution** with value 'C-DAC'.

Ans:

Set institution cdac

```
prasad@prasad-VirtualBox:~$ redis-cli -n 5
127.0.0.1:6379[5]> set institution cdac
OK
127.0.0.1:6379[5]> █
```

b) Display the value of **institution** key.

Ans:

Get institution

```
127.0.0.1:6379[5]> get institution
"cdac"
127.0.0.1:6379[5]> █
```

c) Change the value of **institution** key as 'Centre for Development of Advanced Computing'.

Ans: set institution "Center for development of advanced computing"

```
127.0.0.1:6379[5]> set institution "Center for developement of advanced computing"
OK
127.0.0.1:6379[5]> █
```

d) Display the type of **institution** key.

Ans:

Get institution

```
127.0.0.1:6379[5]> get institution
"Center for developement of advanced computing"
127.0.0.1:6379[5]> █
```

e) Create a string key named **first** with value '100'.

Ans:

Set first "100"

```
127.0.0.1:6379[5]> set first "100"
OK
127.0.0.1:6379[5]>
```

- f) Increment the value of **first** key by 50.

Ans:

Incrby first 50

```
127.0.0.1:6379[5]> incrby first 50
(integer) 150
127.0.0.1:6379[5]>
```

- g) Decrement the value of **first** key by 1.

Ans:

Decrby first 1

```
127.0.0.1:6379[5]> decrby first 1
(integer) 149
127.0.0.1:6379[5]>
```

- h) Create a string key named **second** with value '100.8'.

Ans:

Set second 100.8

```
127.0.0.1:6379[5]> set second 100.8
OK
127.0.0.1:6379[5]>
```

- i) Decrement the value of **second** key by 0.9.

Ans:

Incrbyfloat second -0.9

```
127.0.0.1:6379[5]> incrbyfloat second -0.9
"99.9"
127.0.0.1:6379[5]>
```

- j) Display all the keys in the database.

Ans:

Keys \*

```
127.0.0.1:6379[5]> keys *
1) "institution"
2) "second"
3) "first"
127.0.0.1:6379[5]>
```

- k) Display only those keys whose name contains the letter **i**.

Ans:

Keys i\*

```
127.0.0.1:6379[5]> keys i*
1) "institution"
127.0.0.1:6379[5]>
```

2. Select the database numbered **10** and do the following.

- a) Create a string key named **coursename** with value 'Big Data Analytics'.

Ans:

Set coursenam "Big Data Analytics"

```
127.0.0.1:6379[10]> set coursenam "Big Data Analytics"
OK
127.0.0.1:6379[10]> get coursenam
"Big Data Analytics"
127.0.0.1:6379[10]>
```

- b) Display the value of **coursename** key as Big Data.

Ans:

Getrange coursenam 0 7

```
127.0.0.1:6379[10]> getrange coursenam 0 7
"Big Data"
127.0.0.1:6379[10]>
```

- c) Rename the **coursename** key to **cname**.

Ans:

Rename coursenam cname

```
127.0.0.1:6379[10]> rename coursenam cname
OK
127.0.0.1:6379[10]> get cname
"Big Data Analytics"
127.0.0.1:6379[10]> █
```

- d) Create a string key named **duration** with value '6 months' whose expiry time is 8 sec.

Ans:

Set duration "6 months" ex 8

```
127.0.0.1:6379[10]> set duration "6 months" ex 8
OK
127.0.0.1:6379[10]> get duration
"6 months"
127.0.0.1:6379[10]> get duration
"6 months"
127.0.0.1:6379[10]> get duration
(nil)
127.0.0.1:6379[10]> █
```