

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=

```
pratik@pratik-VirtualBox:~/Desktop$ redis-cli -n 5
127.0.0.1:6379[5]> set institution C-DAC
OK
```

b) Display the value of institution key.

Ans=

```
127.0.0.1:6379[5]> get institution
"C-DAC"
127.0.0.1:6379[5]> █
```

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

Ans=

```
127.0.0.1:6379[5]> set institution "Centre for Development of Advance Computing"
OK
127.0.0.1:6379[5]>
```

d) Display the type of institution key.

Ans=

```
127.0.0.1:6379[5]> type institution
string
127.0.0.1:6379[5]>
```

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

Ans=

```
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=

```
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=

```
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=

```
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=

```
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=

```
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=

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

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

a) Create a string key named coursenam with value 'Big Data Analytics'.

Ans=

```
pratik@pratik-VirtualBox:~/Desktop$ redis-cli -n 10
127.0.0.1:6379[10]> set coursenam "Big Data Analytics"
OK
127.0.0.1:6379[10]>
```

b) Display the value of coursenam key as Big Data.

Ans=

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

c) Rename the coursenam key to cname.

Ans=

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

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

Ans=

```
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
(nil)
```