

Redis :1

Q1. Do the following in the Redis database numbered 5.

Redis-cli -n 5

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

```
127.0.0.1:6379[5]> set institution C-DAC
OK
```

- b) Display the value of institution key.

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

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

```
127.0.0.1:6379[5]> set institution "Centre for Development of Advanced Computing"
OK
127.0.0.1:6379[5]> get institute
(nil)
127.0.0.1:6379[5]> get institution
"Centre for Development of Advanced Computing"
```

- d) Display the type of institution key.

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

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

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

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

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

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

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

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

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

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

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

- j) Display all the keys in the database.

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

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

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

Q2. Select the database numbered 10 and do the following.

```
127.0.0.1:6379[5]> select 10
OK
```

- a) Create a string key named coursenam with value '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"
```

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

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

- c) Rename the coursename key to cname.

```
127.0.0.1:6379[10]> rename coursename cname  
OK
```

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

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