PG-DBDA March 2023 C-DAC THIRUVANANTHAPURAM

DATA COLLECTION & DBMS - LAB 09

1. Do the following in the Redis database numbered 3.

Code:

127.0.0.1:6379> select 3

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

Code:

127.0.0.1:6379[3]> set institution "CDAC"

b. Create a hash key named student with fields stid, name, course.

Code:

127.0.0.1:6379[3]> HMSET student stid 04 name "Arunabh" course "DBDA"

c. Create a list key named courses with values DBDA, DCSF, DAC, DESD.

Code:

127.0.0.1:6379[3]> lpush courses DBDA DCSF DAC DESD

d. Create a set key named centres with values Trivandrum, Kochi, Mumbai, Pune.

Code:

127.0.0.1:6379[3] > sadd centres Trivandrum Kochi Mumbai Pune

e. Create a sorted set key named departments with values STDC, CFS, CSS, ETG.

Code:

127.0.0.1:6379[3]> zadd departments 1 STDC 2 CFS 3 CSS 4 ETG

f. Display the number of keys created in the database.

Code:

127.0.0.1:6379[3]> dbsize

g. Change the value of institution key as Centre for Development of Advanced Computing.

Code:

127.0.0.1:6379[3]> set institution "Centre for Development of Advance Computing"

h. Add email and contact fields to student key.

Code:

127.0.0.1:6379[3]> HMSET student email "arunabh@gmail.com" contact "9876543210"

i. Add a new value DMC to the right in courses key.

Code:

127.0.0.1:6379[3]> rpush courses DMC

j. Insert a new value DRAT before DCSF in courses key.

Code:

127.0.0.1:6379[3]> linsert courses BEFORE DCSF DRAT

k. Display all the members from centres key.

Code:

127.0.0.1:6379[3]> smembers centres

1. Remove ETG from departments key.

Code:

127.0.0.1:6379[3]> zrem departments ETG

m. Display the type of institution key.

Code:

127.0.0.1:6379[3]> type institution

n. Display all the keys in the database.

Code:

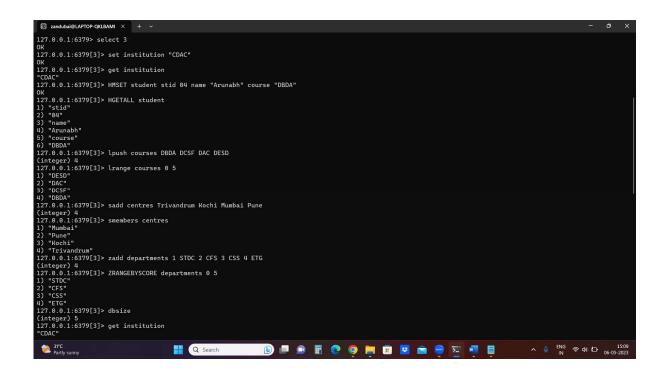
127.0.0.1:6379[3]> keys *

o. Display the number of fields stored in student key.

Code:

127.0.0.1:6379[3]> hlen student

Screenshot:



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| Part |
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