



Boost your career with Simplilearn
Artificial Intelligence Engine
 Master's Program and Job Assis

Redis Interview Questions - Set 2

Redis Interview Questions

Share



([https://www.facebook.com/sharer.php?u=https://www.dyclassroom.com/redis-interview-](https://www.facebook.com/sharer.php?u=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2)

questions/redis-interview-questions-set-2)



([https://twitter.com/home?status=Check this out!](https://twitter.com/home?status=Check this out! https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2)

[https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2\)](https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2)



([https://api.whatsapp.com/send?text=Check this out! https://www.dyclassroom.com/redis-interview-](https://api.whatsapp.com/send?text=Check this out! https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2)

questions/redis-interview-questions-set-2)



([https://www.linkedin.com/cws/share?](https://www.linkedin.com/cws/share?url=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2)

[url=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2\)](https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2)



([https://www.pinterest.com/pin/create/button/?url=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2&media=https%3A%2F%2Fwww.dyclassroom.com%2Fimage%2Fdyclassroom-logo-black-](https://www.pinterest.com/pin/create/button/?url=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2&media=https%3A%2F%2Fwww.dyclassroom.com%2Fimage%2Fdyclassroom-logo-black-512x512.png&description=check%20this%20out)

512x512.png&description=check%20this%20out)



([https://www.tumblr.com/share?](https://www.tumblr.com/share?text=Check%20this%20out&v=3&u=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2)

t=Check%20this%20out&v=3&u=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2)

questions-set-2)



(https://reddit.com/submit?

title=Check%20this%20out&url=https://www.dyclassroom.com/redis-interview-questions/redis-interview-

questions-set-2)



(mailto:?

Subject=Check%20this%20out%20from%20dyclassroom!&Body=Hello,%0A%0ACheck%20this%20out%20from%
interview-questions/redis-interview-questions-set-2%0A%0AThanks)

[← Prev \(/redis-interview-questions/redis-interview-questions-set-1\)](/redis-interview-questions/redis-interview-questions-set-1)

redis

interview questions

This page contains Redis interview questions and answers.

Q1: What is the default port for Redis?

Redis run on localhost port **6379**.

Q2: What are the differences between RDBMS and Redis?

Following are some of the differences between RDBMS and Redis

- Redis is NoSQL and RDBMS is SQL database.
- Redis is extremely fast whereas, RDBMS is comparatively slower.
- Redis stores data in primary memory whereas, RDBMS stores data in secondary memory.

- Redis stores data in key-value form while RDBMS saves data in tables.
- Redis provides high speed by compromising persistency of data. RDBMS provides persistence data.

Q3: Name some of the data structures supported by Redis

Following are some of the data structures supported by Redis.

- String
- Hashes
- Set
- Sorted set with range queries
- Geospatial indexes with radius queries
- Bitmaps
- Hyperloglogs

Q4: List some of the differences between Redis and Memcached

Following are some of the differences between Redis and Memcached.

Redis	Memcached
Redis can cache data and also perform functionality like replication and persistence.	Memcached can only cache data.
Redis is single threaded.	Memcached is multi-threaded.
Redis can save max 2GB key length.	Memcache can save max 250 bytes length.
Check and Set (CAS) is not supported by Redis.	Memcached supports CAS.

Redis does not support LRU (Least Recently Used).	Memcached supports LRU.
In Redis we can set expiry time for everything. In case of full memory Redis will pick 3 keys randomly and will delete the only that is closest to expiry.	In case of Memcache if there is a full memory scenario then it will select the item that was least recently used (LRU) and will delete it to create space.

Q5: Create a key in Redis to save integer value 10

We can create a key using the `SET` command and then assign the value 10.

```
127.0.0.1:6379> SET num 10
OK
```

Q6: How will you create a key that expires after 300 seconds and hold a string value

We can use the `SETEX` command to create a key that will hold a string value and will get auto deleted after 300 seconds.

```
127.0.0.1:6379> SETEX str 300 "hello"
OK
```

Q7: How will you find the time to live for a key in Redis?

For this we use the `TTL` command.

In the following example we are checking the time to live for the key `str`.

```
127.0.0.1:6379> TTL str  
(integer) 120
```

So, in the above output the key `str` will get removed after 120 seconds.

Q8: How will you save multiple values under one key in Redis?

We can use the `HMSET` command and it will create a hash that will store multiple field-value pairs under one key.

```
127.0.0.1:6379> HMSET myhash firstname "Jane" lastname "Doe" score 10  
OK
```

The above command creates a hash key `myhash` and saves three field-value pairs.

To get the value stored in the hash we have to use the `HGETALL` command.

```
127.0.0.1:6379> HGETALL myhash  
1) "firstname"  
2) "Jane"  
3) "lastname"  
4) "Doe"  
5) "score"  
6) "10"
```

In the above output we get all the fields and their values for the key `myhash`.

To fetch value of a specific field we have to use the `HGET` command.

```
127.0.0.1:6379> HGET myhash firstname  
"Jane"
```

In the above output we get the value of the field `firstname` stored in `myhash` key.

Q9: Create a queue in Redis?

In the following example we are creating a queue `myqueue` that will hold integer value.

Points to note!

- We will push the value in the queue from the right.
- We will pop the value from the queue from the left.

Pushing a new value.

```
127.0.0.1:6379> RPUSH myqueue 1  
(integer) 1
```

Pushing couple of more new values.

```
127.0.0.1:6379> RPUSH myqueue 2 3 4 5  
(integer) 5
```

Listing all the values in the queue.

```
127.0.0.1:6379> LRANGE myqueue 0 -1  
1) "1"  
2) "2"  
3) "3"  
4) "4"  
5) "5"
```

Popping value from the queue.

```
127.0.0.1:6379> LPOP myqueue  
"1"
```

Popping couple of more values.

```
127.0.0.1:6379> LPOP myqueue
"2"
127.0.0.1:6379> LPOP myqueue
"3"
```

Listing the content of the queue.

```
127.0.0.1:6379> LRANGE myqueue 0 -1
1) "4"
2) "5"
```

Q10: How will you delete a key from Redis?

To delete a key from Redis we use the `DEL` command.

```
127.0.0.1:6379> DEL myqueue
(integer) 1
```

[← Prev \(/redis-interview-questions/redis-interview-questions-set-1\)](#)

Share



(<https://www.facebook.com/sharer.php?u=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2>)



(<https://twitter.com/home?status=Check this out! https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2>)



<https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2>
(<https://api.whatsapp.com/send?text=Check this out! https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2>)



[questions/redis-interview-questions-set-2](https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2) (<https://www.linkedin.com/cws/share?url=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2>)



[url=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2](https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2)

(<https://www.pinterest.com/pin/create/button/?url=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2&media=https%3A%2F%2Fwww.dyclassroom.com%2Fimage%2Fdyclassroom-logo-black-512x512.png&description=check%20this%20out>)



(<https://www.tumblr.com/share?post=Check%20this%20out&v=3&u=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2>)



(<https://reddit.com/submit?title=Check%20this%20out&url=https://www.dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2>)



(mailto:?Subject=Check%20this%20out%20from%20dyclassroom!&Body=Hello,%0A%0ACheck%20this%20out%20from%20dyclassroom.com/redis-interview-questions/redis-interview-questions-set-2%0A%0AThanks)

Advertisements



Recently Updated

Number Conversion - Binary Octal Hexadecimal (<https://www.dyclassroom.com/conversion/number-conversion-binary-octal-hexadecimal>) **Conversion**

Octal to Decimal conversion of an integer number (<https://www.dyclassroom.com/conversion/octal-to-decimal-conversion-of-an-integer-number>) **Conversion**

How to install RabbitMQ on Mac using Homebrew (<https://www.dyclassroom.com/howto-mac/how-to-install-rabbitmq-on-mac-using-homebrew>) **How to Mac**

What is EMI? (<https://www.dyclassroom.com/money/what-is-emi>) **Money**

What is Recurring Deposit? (<https://www.dyclassroom.com/money/what-is-recurring-deposit>) **Money**

What is Fixed Deposit? (<https://www.dyclassroom.com/money/what-is-fixed-deposit>) **Money**

Sum of Products and Product of Sums (<https://www.dyclassroom.com/boolean-algebra/sum-of-products-and-product-of-sums>) **Boolean Algebra**

How to install Apache, MySQL, PHP on macOS Mojave 10.14 (<https://www.dyclassroom.com/howto-mac/how-to-install-apache-mysql-php-on-macos-mojave-10-14>) **How to Mac**

Bubble Sort (<https://www.dyclassroom.com/sorting-algorithm/bubble-sort>) **Sorting Algorithm**

Product of Sums reduction using Karnaugh Map (<https://www.dyclassroom.com/boolean-algebra/product-of-sums-reduction-using-karnaugh-map>) **Boolean Algebra**

HOME (<https://www.dyclassroom.com/>) ABOUT (<https://www.dyclassroom.com/about>) CONTACT (<https://www.dyclassroom.com/contact>) PRIVACY (<https://www.dyclassroom.com/privacy>) TERMS (<https://www.dyclassroom.com/terms>) STATS (<https://www.dyclassroom.com/statistics>) SITEMAP (<https://www.dyclassroom.com/sitemap>) BUG (<https://www.dyclassroom.com/bug>)



(<https://www.facebook.com/dyclassroom>)



(<https://www.instagram.com/dyclassroom/>)



(<https://www.twitter.com/dyclassroom>)

(<https://www.dyclassroom.com/>)

Have fun learning :-)

