

What is Redis?

Redis is an in-memory or an embedded database system that does not runs on sql but has its own set of commands.

redis can be connected with java,php, python, .net.

Download redis from www.redis.io

To run redis on windows you can use Docker

Start docker and run following two commands

```
docker run -d --name redis-stack-server -p 6379:6379 redis/redis-stack-server:latest
```

the above command will download redis stack from the repository

```
docker exec -it redis-stack-server redis-cli
```

the above command will start redis on windows system.

Following are some basics redis commands

set message 'raman'

get message

del message

info

Following is the code to connect redis to java

you will need to have jedis.jar in your project.

Following code will connect java application to redis stack server

```
import redis.clients.jedis.Jedis;
```

```
public class RedisJava {  
    public static void main(String[] args) {  
        //Connecting to Redis server on localhost  
        Jedis jedis = new Jedis("localhost");  
        System.out.println("Connection to server sucessfully");  
        //check whether server is running or not  
        System.out.println("Server is running: "+jedis.ping());  
    }  
}
```

Following code will set a string variable tutorial-name to Redis tutorial and also will get the variable through java code.

```
import redis.clients.jedis.Jedis;
```

```
public class RedisStringJava {
```

```
    public static void main(String[] args) {
```

```
        //Connecting to Redis server on localhost
```

```
        Jedis jedis = new Jedis("localhost");
```

```
        System.out.println("Connection to server sucessfully");
```

```
        //set the data in redis string
```

```
        jedis.set("tutorial-name", "Redis tutorial");
```

```
        // Get the stored data and print it
```

```
        System.out.println("Stored string in redis:: "+ jedis.get("tutorial-name"));
```

```
    }
```

```
}
```