```
1st step in demo
```

```
Don't Initialize Redis Cache only provide MySQL connection
In demo.controller the class "Transactioncontroller"
```

```
@Cacheable(value = "transactions",key = "#transactionId")
```

```
@CachePut(value = "transactions",key = "#transactionId")
```

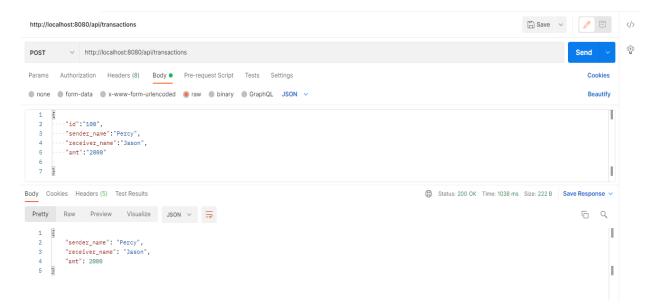
```
@CacheEvict(value = "transactions", allEntries = true)
```

Do not provide these codes

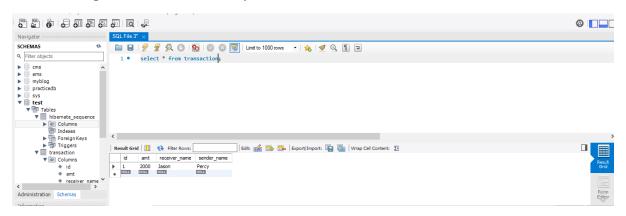


Directly run

Redis Cache Application. java



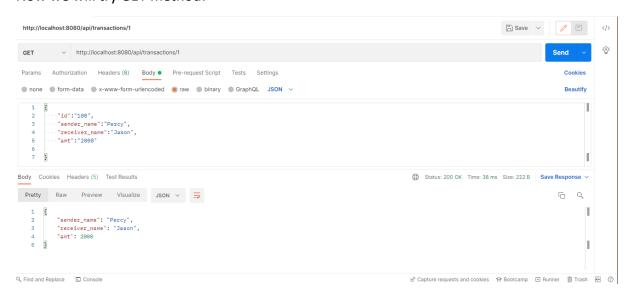
The following will be executed in MySQL database



From IDE console

```
Hibernate: select next_val as id_val from hibernate_sequence for update
Hibernate: update hibernate_sequence set next_val=? where next_val=?
Hibernate: insert into transaction (amt, receiver_name, sender_name, id) values (?, ?, ?, ?)
```

Now we will try GET method:



You will get this output in console:

```
Transaction fetching from database:: 100
Hibernate: select transactio0_.id as id1_0_0_, transactio0_.amt as amt2_0_0_, transactio0_.receiver_name as receiver3_0_0_, transactio0_.s
Transaction fetching from database:: 1
Hibernate: select transactio0_.id as id1_0_0_, transactio0_.amt as amt2_0_0_, transactio0_.receiver_name as receiver3_0_0_, transactio0_.s
```

Let's Shorten the time when we try GET method with redis cache

```
@Cacheable(value = "transactions",key = "#transactionId")
```

```
@CachePut(value = "transactions",key = "#transactionId")
```

```
@CacheEvict(value = "transactions", allEntries = true)
```

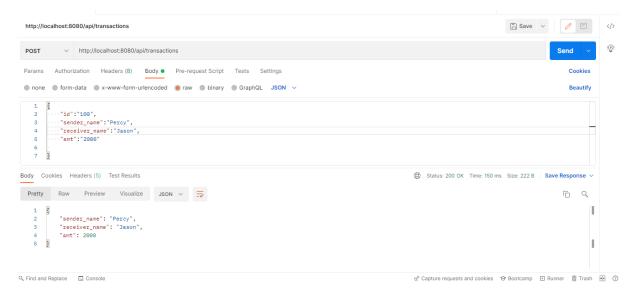
Put this 3 codes in TransactionController

And @EnableCaching



RedisCacheApplication.java

And run



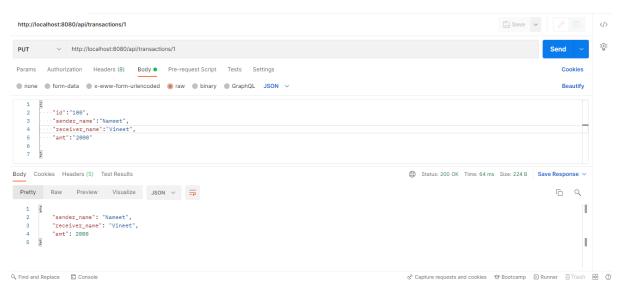
IDE console

```
Transaction fetching from database:: 1
Hibernate: select transactio0_.id as id1_0_0_, transactio0_.amt as amt2_0_0_, transactio0_.receiver_name as receiver3_0_0_, transactio0_.s
Transaction fetching from database:: 1
Hibernate: select transactio0_.id as id1_0_0_, transactio0_.amt as amt2_0_0_, transactio0_.receiver_name as receiver3_0_0_, transactio0_.s
```

No matter how many times you "GET" Method

Transaction fetching won't come again and again

Update by "PUT"



Lets put in swagger

Adding Swagger

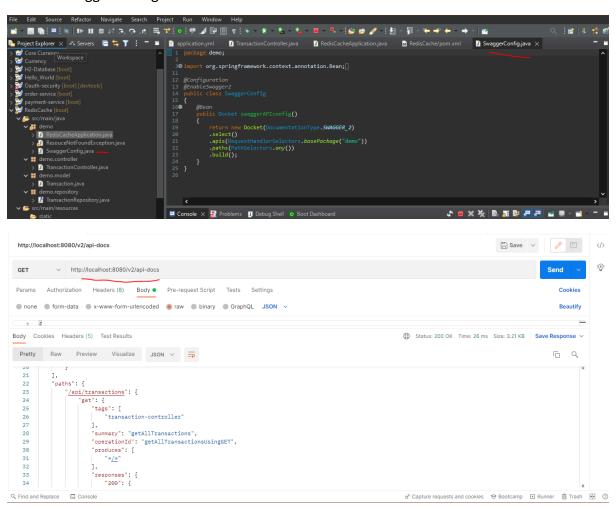
```
<!-- https://mvnrepository.com/artifact/io.springfox/springfox-swagger2 -->
<dependency>
<groupId>io.springfox</groupId>
```

```
<artifactId>springfox-swagger2</artifactId>
<version>2.9.2</version>
</dependency>
<!-- https://mvnrepository.com/artifact/io.springfox/springfox-swagger-ui -->
<dependency>
<groupId>io.springfox</groupId>
<artifactId>springfox-swagger-ui</artifactId>
<version>2.9.2</version>
```

Add these dependency

Make a Swagger Config class

</dependency>



Open UI

