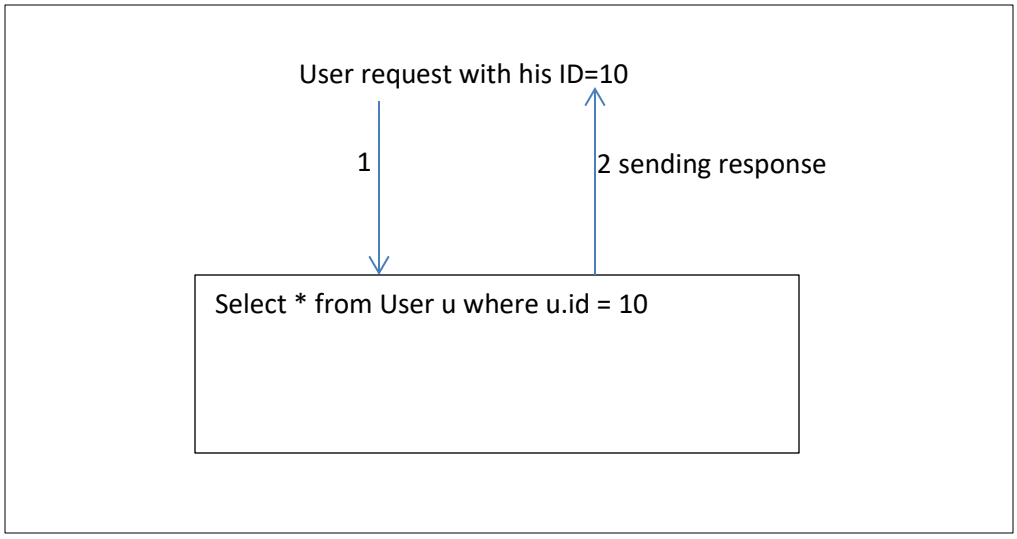
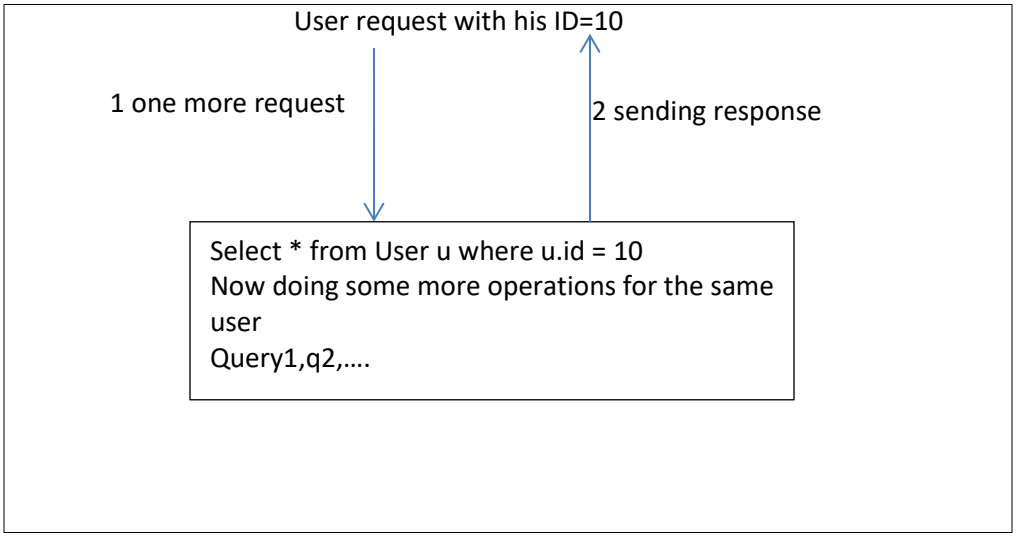
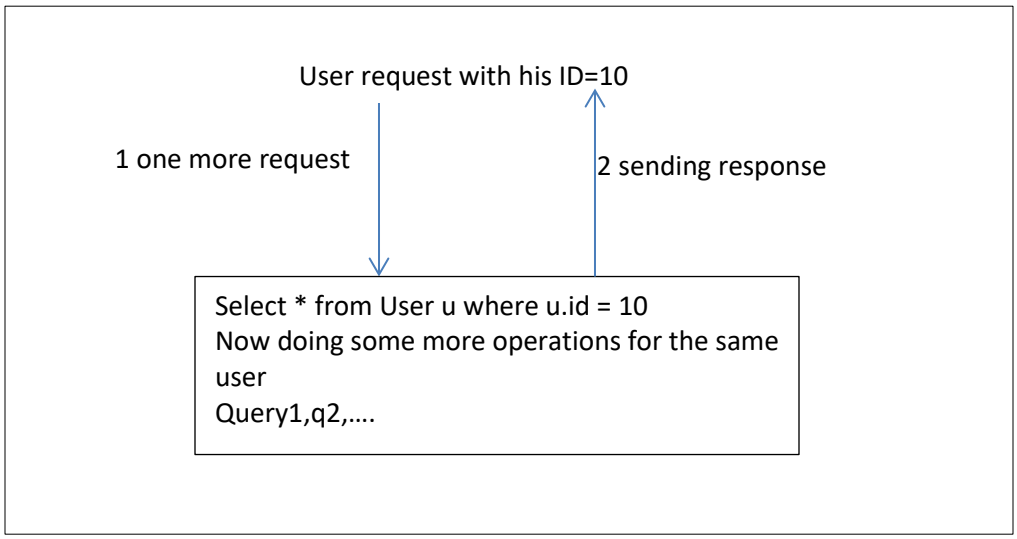
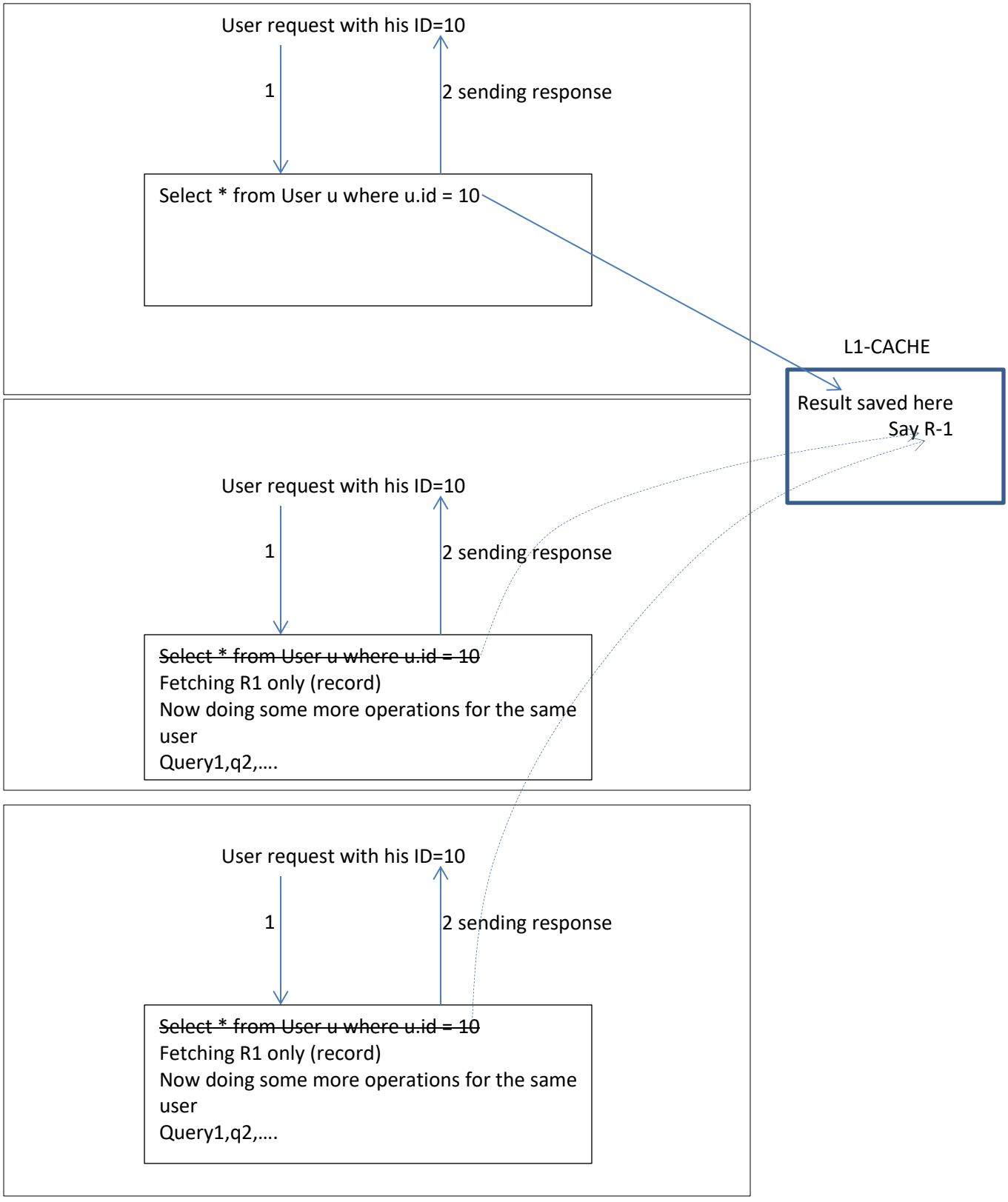

User request with his ID=10
1
2 sending response
Select * from User u where u.id = 10


User request with his ID=10
1 one more request
2 sending response
Select * from User u where u.id = 10
Now doing some more operations for the same user
Query1,q2,….


User request with his ID=10
1 one more request
2 sending response
Select * from User u where u.id = 10
Now doing some more operations for the same user
Query1,q2,….

Wasting our time for fetching the same data again and again,

The solution is cache….



Wasting our time for fetching the same data again and again,

The solution is cache….

User request with his ID=10

1

2 sending response

Select * from User u where u.id = 10

In terms of Hibernate

L1-CACHE

Result saved here
Say R-1

User request with his ID=10

1

2 sending response

Creating one session object

~~Select * from User u where u.id = 10~~
Fetching R1 only (record)
Now doing some more operations for the same user
Query1,q2,….

L1-CACHE

Creating L1 cache for another Session Obj

User request with his ID=10

1

2 sending response

Creating another session object

~~Select * from User u where u.id = 10~~
Fetching R1 only (record)
Now doing some more operations for the same user
Query1,q2,….

Wasting our time for fetching the same data again and again,

The solution is cache….

User request with his ID=10

1

2 sending response

Select * from User u where u.id = 10

In terms of Hibernate

Creating one session object

User request with his ID=10

1

2 sending response

~~Select * from User u where u.id = 10~~
Fetching R1 only (record)
Now doing some more operations for the same user
Query1,q2,….

L1-CACHE

Result saved here
Say R-1

L1-CACHE

Creating L1 cache for another Session Obj

L2-CACHE

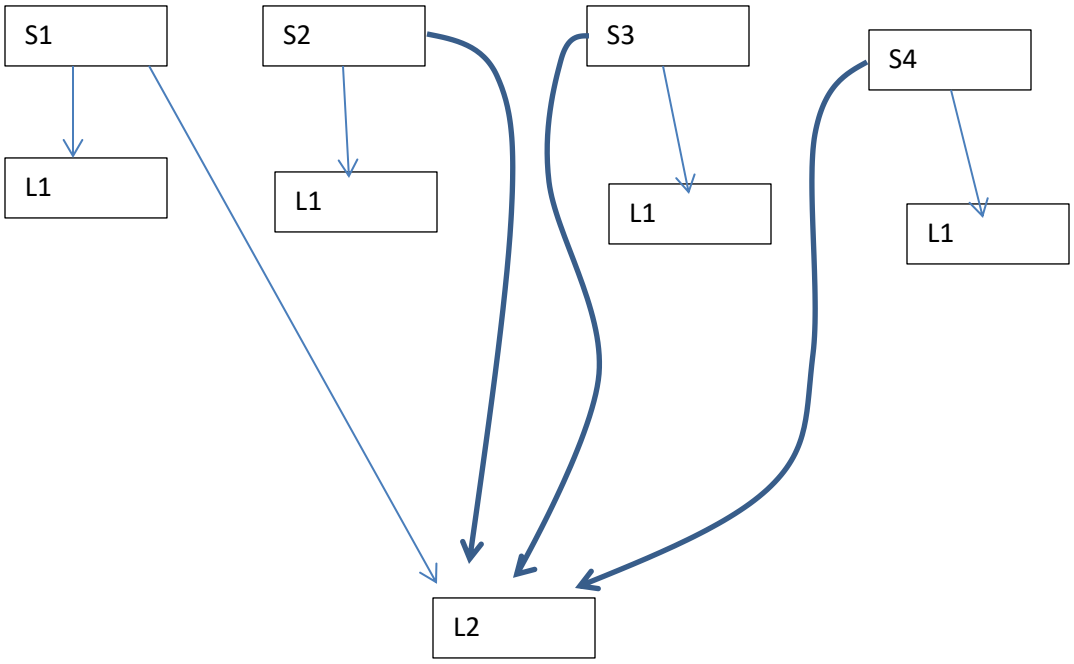
Creating L2 cache common to all session Obj

Creating another session object

User request with his ID=10

2 sending response

~~Select * from User u where u.id = 10~~
Fetching R1 only (record)
Now doing some more operations for the same user
Query1,q2,….

In Hibernate L1 CACHE works for individual Session

L2 works for all sessions