**Output #1**

\*\*\* Target Class : edu.mum.service.UserService.save \*\*\*

\*\*\* Target Class : edu.mum.service.UserCredentialsService.update \*\*\*

\*\*\* Target Class : edu.mum.service.UserService.save \*\*\*

\*\*\* Target Class : edu.mum.service.UserService.findOne \*\*\*

\*\*\* Target Class : edu.mum.service.UserService.findOne \*\*\*

\*\*\* Target Class : edu.mum.service.ItemService.update \*\*\*

\*\*\* Target Class : edu.mum.service.ItemService.update \*\*\*

\*\*\* Target Class : edu.mum.service.UserService.update \*\*\*

\*\*\* Target Class : edu.mum.service.ItemService.findByCategoryName \*\*\*

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\* Target Class : edu.mum.service.UserService.findOne \*\*\*

\*\*\* Target Class : edu.mum.service.UserService.findOne \*\*\*

\*\*\* Target Class : edu.mum.service.ItemService.findBySellerOrBuyer \*\*\*

Item Name : Shoes

**Output #2 is same to output#1**

**Output #3**

Only findOne has a Long as an argument

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Shoes

**Output #4**

No output as there are no Service calls with a no argument method.

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Shoes

**Output #5**

Adding a findAll() in TestItems.java results in a single output.

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Shoes

**Output #6**

Using within with arguments like #3 give exact same results…ONLY findOne(Long id) meets criteria.

\*\*\* Target Class : edu.mum.service.UserService.findOne \*\*\*

\*\*\* Target Class : edu.mum.service.UserService.findOne \*\*\*

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\* Target Class : edu.mum.service.UserService.findOne \*\*\*

\*\*\* Target Class : edu.mum.service.UserService.findOne \*\*\*

Item Name : Shoes

**Output #7**

Using within with args with one arg user …User service Save & Update meets criteria. Prints out User name as User is bound to advice method.

\*\*\* Target Class : edu.mum.service.UserService.save \*\*\*User First Name: John

\*\*\* Target Class : edu.mum.service.UserService.save \*\*\*User First Name: Jane

\*\*\* Target Class : edu.mum.service.UserService.update \*\*\*User First Name: Jane

\*\*\*\*\*\*\*\*\*\* NamedQuery -> Items by Category : Sports \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Sled

Item Name : Skates

\*\*\*\*\*\*\*\*\*\* find By Buyer Or Seller \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Item Name : Shoes