IS 1	query	Interactive / short / 1	
IS 2	title	Profile of a person	
IS 3 IS 4 IS 5 IS 6 IS 7	pattern	person: Person id = \$personId firstName lastName birthday locationIP browserUsed gender creationDate	
	desc.	Given a start Person, retrieve their first name, last name, birthday, IP address, browser, and city of residence.	
	params	1 personId ID	
	result	1 person.firstName String R 2 person.lastName String R 3 person.birthday Date R 4 person.locationIP String R 5 person.browserUsed String R 6 city.id ID R 7 person.gender String R 8 person.creationDate DateTime R	

-	interactive	e / short / 2		
IS 1	query	Interactive / short / 2		
IS 2	title	Recent messages of a person		
IS 3		person: P	Person — hasCreator—	message: Message
IS 4		id = \$person		id
IS 5		<u> </u>		content / imageFile creationDate
IS 7	pattern			replyOf*0
15 1		originalPoste	r: Person hasCreator—	post: Post
		firstName lastName		U
	desc.	Message, the original Post in its con	nversation (post), and the original Pos	ed by that user. For each Message, return that nd the author of that Post (originalPoster). st (post) will be the same Message, i.e. that
	params	1 personId ID		
		1 message.id	ID R	
		message.content or message.imageFile (for photos)	Text R	
	result	3 message.creationDate	DateTime R	
		4 post.id	ID R	
		5 originalPoster.id	ID R	
		6 originalPoster.firstName	String R	
		7 originalPoster.lastName	String R	
	sort	1 message.creationDate ↓ 2 message.id ↓		

 ${\tt message.id}$

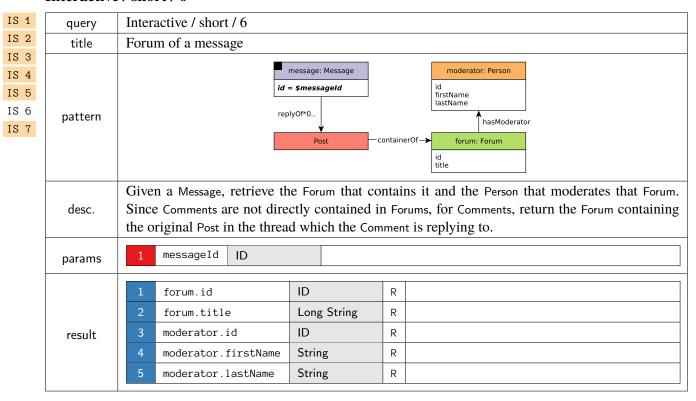
IS 1	query	Interactive / short / 3		
IS 2	title	Friends of a person		
IS 3		person: Person knows friend: Person creationDate		
IS 5	pattern	id = \$personId id firstName lastName		
IS 6				
IS 7	desc.	Given a start Person, retrieve all of their friends, and the date at which they became friends.		
	params	ms 1 personId ID		
	result	1 friend.id ID R		
		2 friend.firstName String R		
		3 friend.lastName String R		
		4 knows.creationDate DateTime R		
	sort	1 knows.creationDate ↓ 2 friend.id ↑		

Interactive / short / 4

IS 1	query	Interactive / short / 4		
IS 2	title	Content of a message		
IS 3 IS 4 IS 5 IS 6	pattern	<pre>id = \$message! id = \$message!d creationDate content / imageFile</pre>		
IS 7	desc.	Given a Message, retrieve its content and creation date.		
	params	1 messageId ID		
		1 message.creationDate		
	result	message.content or message.imageFile (for photos) R messageContent		

IS 1	query	Interactive / short / 5	
IS 2	title	Creator of a message	
IS 3			
IS 4	nattorn	message: Message hasCreator person: Person	
IS 5	pattern	id = \$messageId id firstName lastName	
IS 6		lastivame	
IS 7	desc.	Given a Message, retrieve its author.	
	params	1 messageId ID	
		1 person.id ID R	
	result	2 person.firstName String R	
		3 person.lastName String R	

Interactive / short / 6



IS
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1 2 3 4 5 6 7	query	Interactive / short / 7		
	title	Replies of a message		
	pattern	message: Message id = \$messageId replyOf comment: Comment id content creationDate hasCreator replyAuthor: Person id firstName lastName		
	desc.	Given a Message, retrieve the (1-hop) Comments that reply to it. In addition, return a boolean flag knows indicating if the author of the reply (replyAuthor) knows the author of the original message (messageAuthor). If author is same as original author, return False for knows flag.		
	params	1 messageId ID		
	result	1 comment.id ID R 2 comment.content Text R 3 comment.creationDate DateTime R 4 replyAuthor.id ID R 5 replyAuthor.firstName String R 6 replyAuthor.lastName String R 7 knows Boolean C True if the knows edge exists between the replyAuthor and the messageAuthor nodes, False otherwise (including the case when the two nodes are the same)		
	sort	1 comment.creationDate ↓ 2 replyAuthor.id ↑		