Exercise Answer Key

Exercise 1 – Explore and Execute Rules and Scripts

Activity Title	Number	Answer
Explore the Rule Editor	4b	Identity
	4c	log, context, environment, application, account, identity
	4d	It sets a default password (xyzzy) for each identity as the identity gets created
Explore Provisioning Policy Scripts/Rules	3c	Script
	3d	return identity.name;
	3e	As a rule object (so all of the provisioning policies could reference it and share a single code base)
	4f	FieldValue
Run a Rule from IdentityIQ Console	4a	Identity name and email address
	4b	The identity's email address
Add a Rule Library Call to a Rule	3	public String getManagerEmail(String identityName)
	5	return getManagerEmail(identity.getName());

Exercise 2

Activity Title	Question Number	Answer
Populate Application Extended Attribute	1b	ownerContact
	3	To retrieve the application owner's email address for each application in the installation and set it into an application extended attribute
	4	targetApp
	5	getOwner(); it returns an Identity object
	6	Identity owner = targetApp.getOwner();
	7	String email = owner.getEmail();

	8	targetApp.setAttribute("ownerContact", email);
	9	context.saveObject(targetApp);
	11	Because only return values, or error messages from your rule code execution, appear in that box and this rule does not return anything
Explore and Use Rule Arguments	2a	ResourceObject
	2b	getAttribute(String key)
	2c	if ("Information Technology".equals (account.**getAttribute**("department")))

Exercise 3

Activity Title	Question Number	Answer
Change Identity Location Attribute	3a	Sailpoint.api
	3bi	String
	3bii	Iterator[Object] search (Class, QueryOptions, String)
	4a	qo
	4b	Filter f1 = Filter.eq("department","Accounting"); Filter f2 = Filter.eq("location", "London"); Filter identityFilter = Filter.and(f1,f2);
	4c	qo.add(identityFilter);
	4d	Filter f1 = Filter.eq("department","Accounting"); Filter f2 = Filter.eq("location", "London"); Filter identityFilter = Filter.and(f1,f2); qo.add(identityFilter); Alternatively, you could add each filter to the QueryOptions directly and they will automatically be "anded" together: Filter f1 = Filter.eq("department","Accounting"); Filter f2 = Filter.eq("location","London"); qo.add(f1); qo.add(f2);

	5	context.search(Identity.class,qo,properties);
	6a	Object getObjectById(Class, String id)
	6b	Identity targetUser = getObjectById(Identity.class, IdentId);

Exercise 4

Activity Title	Question Number	Answer
Populate a Custom Object	2	import sailpoint.object.Custom;
	3	codesCustObj = new Custom(); codesCustObj.setName("regionCodes");
	4	codesCustObj.put(name,code);
	5	context.saveObject(codesCustObj); context.commitTransaction();
	6	System.out.println("Custom object: " + codesCustObj.toXml());
	8	TRNG-CreateCustomObject
Write an After Provisioning Rule	1	TRNG-ProvisioningResultNotification
	6	result plan
	7a	status = result.getStatus();
	7b	planResult = plan.getResult() status = planResult.getStatus()
	8	else if (status.equals(ProvisioningResult. STATUS_FAILED))
	10a	identityName, templateName, args
	10b	Calls getUserEmail method (also in the TRNG-UtilRuleLibrary) to retrieve it
	10c	context.sendEmailNotification()

Exercise 5

Activity Title	Question Number	Answer
Implement a Customization Rule in Aggregation	2	TRNG-PopulateRegionCode
	5	Custom regionCodesObj = context.getObjectByName(Custom.class, "regionCodes");
	6	String matchedCode = regionCodesObj.getString(region);

	7	object.put("regionCode",matchedCode);
		
		or
		
		object.setAttribute("regionCode", matchedCode);

Write and Use a Certification Exclusion Rule	1a	TRNG-ExcludeContractorsAndPRISM
	5a	entity = AbstractCertifiableEntity representing the target(s) of the certification (Identity, ManagedAttribute, or Bundle)
	5b	items = List of Certifiable items currently in the certification
	5c	itemsToExclude = List of Certifiable items that should not be included in the certification
	6	If (entity instanceOf Identity)
	7a	String userType = entity.getType(); userType.equals("contractor")
	7b	int PRISMAccounts = IdentityService.countLinks(user, PRISMApp);
	8a	itemsToExclude.addAll(items);
	8b	items.clear();
	9a	It sets the explanation / reason for excluding the items from the certification.

Exercise 6

Activity Title	Question Number	Answers
Explore Custom Loggers and Metering	2	Log logger = LogFactory.getLog("TRNG.rule.MeterPerformance");
	3	logger.debug("Target identity…");
	4	Meter.enterByName("TRNG-MeterPerformance getObjects"); Meter.exitByName("TRNG-MeterPerformance getObjects");
	5	Meter.enterByName("TRNG-MeterPerformance search"); Meter.exitByName("TRNG-MeterPerformance search");
	9b	```logger.TRNGMeterPerformance.name= TRNG.rule.MeterPerformance logger.TRNGMeterPerformance.level=debug```