Self-Evaluation Rubric for the Module 5 Assignment

Self-evaluation allows a learner to make an honest assessment of their knowledge and skills about a module. You should apply the rubric to assess your performance so that you can learn from your mistakes. An error is an opportunity to correct a misunderstanding of a concept, problem statement, or software/language feature. Learning from mistakes is an important key to success. You should consider mistakes as an essential element of your learning process. If you doubt the importance of learning from mistakes, please search under "learning from mistakes" to read about the benefits of learning from mistakes.

Before using the grading rubric, each problem should meet basic requirements for valid syntax and submission artifacts. If a problem has syntax errors, you should correct errors before beginning the self-evaluation. Use statements shown in the slides and class examples to help correct your syntax errors. For each statement, submission artifacts are the SQL statement and snapshot of the statement's execution showing some rows.

After complying with the basic requirements for each problem, you should submit your assignment and apply the grading rubric in Tables 1 to 3. For each problem, you should note each error following rubric elements and the solution provided in a separate document. Be honest in your assessment so that you learn from your mistakes. If you have major errors, you should rework the problem without seeing the solution and then reassess your revised solution. You should see improvement on your second attempt along with an understanding of your errors.

Table 1: Rubric for Self-Evaluation of SELECT Statement Problems

Problem	Rubric Element	Error Type	Comments
1	Missing table	Major	EventPlan and EventRequest tables required
	Missing join condition or operation	Major	One join condition or operation
	Missing or incorrect WHERE condition	Medium	Condition on WorkDate column Inclusive date range condition
	Missing GROUP BY	Medium	Group on EventNo, DateHeld
	Missing or incorrect HAVING condition	Medium	Condition on COUNT
	Missing column	Minor	EventNo, DateHeld, COUNT
	Extra table	Minor	Only EventPlan and EventRequest tables
2	Missing table	Major	EventPlan, EventRequest, and Facility tables required

	Missing join condition or operation	Major	Two join conditions or operations
	Missing WHERE condition	Medium	Conditions on WorkDate and FacName columns
	Incorrect WHERE condition	Minor	Inclusive range on WorkDate and = comparison on FacName
	Extra table	Minor	Only EventPlan, EventRequest, and Facility tables
	Missing column	Minor	PlanNo, EventNo, WorkDate, and Activity columns required
	Unneeded GROUP BY	Minor	GROUP BY not needed
3	Missing table	Major	EventPlan, EventRequest, Employee, and Facilty tables required
	Missing join condition or operation	Major	Three join conditions or operations
	Missing WHERE condition	Medium	Conditions on WorkDate, FacName, and EmpName columns
	Incorrect WHERE condition	Minor	Inclusive range on WorkDate and = comparison on FacName and EmpName
	Extra table	Minor	Only EventPlan, EventRequest, Employee, and Facilty tables
	Missing column	Minor	eventno, dateheld, status, estcost columns required
	Unneeded GROUP BY	Minor	GROUP BY not needed
4	Missing table	Major	facility, eventplan, eventplanline, resourcetbl, location tables required; Sixth table optional (see alternative solution)
	Missing join condition or operation	Major	Four join conditions or operations for 5 tables; Five join conditions or operations for 6 tables
	Missing WHERE condition	Medium	Conditions on WorkDate, Activity, and FacName columns
	Incorrect WHERE condition	Minor	Inclusive range on WorkDate and = comparisons on FacName and Activity
	Extra table	Minor	Only 5 or 6 tables
	Missing column	Minor	planno, lineno, locname, resname, resourcecnt, timestart, timeend columns required
	Unneeded GROUP BY	Minor	GROUP BY not needed
5	Missing table	Major	EventPlan, EventPlanLine, ResourceTbl tables required
	Missing join condition or operation	Major	Two join conditions or operations

	Missing or incorrect WHERE condition	Medium	Condition on WorkDate column Inclusive date range condition
	Missing GROUP BY	Medium	Group on EventNo, DateHeld
	Missing or incorrect HAVING condition	Medium	Condition on SUM
	Missing column	Minor	PlanNo, SUM with computation
	Extra table	Minor	Only EventPlan, EventPlanLine, ResourceTbl tables

Table 2: Rubric for Self-Evaluation of Modification Statement Problems

Problem	Rubric Element	Error Type	Comments
1	Incorrect statement type	Major	1 INSERT statement
	Incorrect target table	Major	Facility table
	Missing column values	Major	FacNo, FacName required
	Non unique primary key value	Major	FacNo unique
2	Incorrect statement type	Major	1 INSERT statement
	Incorrect target table	Major	Location table
	Missing column values	Major	LocNo, FacNo, FacName required
	Non unique primary key value	Major	LocNo
	Nonmatching foreign key value	Medium	Should match FacNo value in (1)
3	Incorrect statement type	Major	1 INSERT statement
	Incorrect target table	Major	Location table
	Missing column values	Major	LocNo, FacNo, FacName required
	Non unique primary key value	Major	LocNo
	Nonmatching foreign key value	Medium	Should match FacNo value in (1)
4	Incorrect statement type	Major	1 UPDATE statement
	Incorrect target table	Major	Location
	Missing or incorrect WHERE condition	Major	Condition on LocNo matching primary key in (2)
5	Incorrect statement type	Major	2 DELETE statements
	Incorrect target table	Major	Location table
	Incorrect or missing WHERE condition	Medium	Conditions for LocNo primary keys in (2) and (3)

Table 3: Rubric for Self-Evaluation of SELECT Statements with Errors

Problem	Rubric Element	Error Type	Comments
1	Error detection	Major	Missing join condition (EventRequest - EventPlan)
	Revised statement	Major	New statement with added join

			condition
2	Error detection	Major	GROUP BY clause not needed
	Revised statement	Major	New statement with GROUP BY clause removed
3	Error detection	Major	Extra table (Employee)
	Revised statement	Major	New statement with Employee table and join condition removed
4	Error detection	Major	Syntax errors with misspelled keyword (BETWEN) and unqualified name (eventno)
	Revised statement	Major	New statement with corrected syntax errors
5	Detection of poor coding practices	Major	Poor clause and condition alignment, incompatible constant
	Revised statement	Major	New statement with improved coding practices