

Self-Evaluation Rubric for the Module 3 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 5. For each table, you should note each error following rubric elements and the solution provided in a separate document. Be honest in your assessment so that you can learn from your mistakes. If you have major errors, you should rework the statement 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 the *Employee* Table

Rubric Element	Error Type	Comments
Missing a NOT NULL constraint	Medium	4 NOT NULL constraints required. NOT NULL constraint for the primary key is optional.
Missing primary key constraint	Major	EmpNo; Inline or external
Missing a constraint name	Minor	All constraints should have a name.
Incorrect data type	Medium	See solution for data types
Incorrect length specification	Minor	Length should be 8 for EmpNo; Length for other columns may vary if wide enough for values.

Table 2: Rubric for the *ResourceTbl* Table

Rubric Element	Error Type	Comments
Missing a NOT NULL constraint	Medium	2 NOT NULL constraints required. NOT NULL constraint for the primary key is optional.
Missing primary key constraint	Major	ResNo; Inline or external
Missing a constraint name	Minor	All constraints should have a name.
Incorrect data type	Medium	See solution for data types
Incorrect length specification	Minor	Length should be 8 for ResNo; Length for other columns may vary as long as wide enough for values.
Missing CHECK constraint	Medium	Rate should have CHECK constraint inline or external
Incorrect CHECK constraint	Minor	See solution for constraint details

Table 3: Rubric for the *EventRequest* Table

Rubric Element	Error Type	Comments
Missing a NOT NULL constraint	Medium	7 NOT NULL constraints required. NOT NULL constraint for the primary key is optional. Should not have NOT NULL constraints for other columns
Missing primary key constraint	Major	EventNo; Inline or external
Missing a constraint name	Minor	All constraints should have a name.
Incorrect data type	Medium	See solution for data types
Incorrect length specification	Minor	Length should be 8 for EventNo, CustNo, and FacNo; Length for other columns may vary as long as wide enough for values.
Missing CHECK constraint	Medium	Status and EstAudience should have CHECK constraints inline or external
Incorrect CHECK constraint	Minor	See solution for constraint details
Missing or incorrect foreign key constraints	Medium	Should have 2 foreign key constraints; See solution for constraint details

Table 4: Rubric for the *EventPlan* Table

Rubric Element	Error Type	Comments
Missing a NOT NULL constraint	Medium	3 NOT NULL constraints required. NOT NULL constraint for the primary key is optional. Should not have NOT NULL constraints for other columns especially EmpNo
Missing primary key constraint	Major	PlanNo; Inline or external

Missing a constraint name	Minor	All constraints should have a name.
Incorrect data type	Medium	See solution for data types
Incorrect length specification	Minor	Length should be 8 for PlanNo, EventNo, and EmpNo; Length for other columns may vary as long as wide enough for values.
Missing or incorrect foreign key constraints	Medium	Should have 2 foreign key constraints; See solution for constraint details

Table 5: Rubric for the *EventPlanLine* Table

Rubric Element	Error Type	Comments
Missing a NOT NULL constraint	Medium	6 NOT NULL constraints required. NOT NULL constraint for the primary key is optional.
Missing or incorrect primary key constraint	Major	Combination of PlanNo/LineNo; Must be external
Missing a constraint name	Minor	All constraints should have a name.
Incorrect data type	Medium	See solution for data types; Data types differ for TimeStart and TimeEnd between Oracle and PostgreSQL
Incorrect length specification	Minor	Length should be 8 for PlanNo, LocNo, and ResNo; Length for other columns may vary as long as wide enough for values.
Missing CHECK constraint	Medium	Should have an external CHECK constraint with TimeStart and TimeEnd
Incorrect CHECK constraint	Minor	See solution for constraint details
Missing or incorrect foreign key constraints	Medium	Should have 3 foreign key constraints; See solution for constraint details
Missing cascade delete clause	Minor	Foreign key constraint for PlanNo should have the ON DELETE CASCADE