Common Errors

Task 1

- 1A: did not correctly use Minus (the relations must be union compatible)
- 1B: missing project ec_id from the patient table and emergency contact table
- 1B: missing join with emergency contact table
- 1C: used *provider_code = 'END001'* or other code number rather than use specialization name
- 1C: missing join with appointment or provider table

Task 2-ABC

- 2A: did not use upper()/lower() functions for string comparison and did not use the supplied case of the string when used in where clause
- 2B: did not remove extra spaces in the provider's name and did not consider when the title is null.
- 2B: did not use upper()/lower() functions for string comparison and did not use the given case in the string in the where clause. Also used pattern matching for the given string although it is an exact match in the where clause when string comparison.
- missing formatting (specially the lpad() function) in the select clause for service_stdfee

Task 2-DE

- 2D: missing to_char to display appointment date
- 2D: missing NVL to sum up the appointment cost
- 2D: Did not use *where appt_datetime <= sysdate* to check completed appointment
- 2E: Used $999.99 instead of $990.99 in the number format

Task 2-FG

- 2F: Missing TRIM for removing any leading spaces in the patientname, missing correct calculation of currentage, missing correct format used in to_char() e.g., using '999.99' instead of using the correct format '90.9' for followups percentage (note followup percentage cannot be 100%). Overall, students have performed this task reasonably well.
- 2G: Missing correct calculation of numberappts, missing correct calculation of totalfees, missing correct calculation of noitems, missing correct outer joins/joins conditions, missing uses of lpad() and to_char() for formatting output as shown in the sample output, missing correct format used in to_char(). Overall, students could have done this task better if they checked the output values calculated from their SQL code against their manual validation from the database.

Task 3-Mongo (A - SQL select)

- missing trim
- did not consider when the title is null
- missing sum for item_totalCost and count for no_of_items
- incorrect attributes used for calculating item_totalCost and no_of_items

Task 3-Mongo (B-E MongoDB)

- less than 12 documents inserted
- use updateOne instead of updateMany in 3d
- missing update of no of items and items totalcost in 3e
- manually calculate no of items and items total cost
- missing double quote for field names and predicates
- missing semicolon

Git

- total number of commits was less than the requirement
- number of commits FOR EACH FILE was less than the requirement (3 commits per file)
- incorrect author details, ie. did not point to the student email address. Allowed when it was corrected before submission.

General Penalty

- SQL statement did not run due to syntax error (including missing *mns.* prefix in Task 2 and Task 3a): a maximum of 50%-1 of the respective questions allocated marks
- Use of functions which were not discussed in the unit (eg. WITH and COALESCE): as listed in the brief (see page 5) not permitted - allowed a maximum of 20% of the respective questions allocated marks