# *CPRG 307-E - Database Programming*

## Assignment 2: Develop and Test a Coded Solution

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Syntax Error Identification, Explanation, and Correction:

Syntax Error 1

Code Section in Error (Line 47)

A text on a white background

AI-generated content may be incorrect.

Error Message Received



Reason for error:

* The NVL function is trying to use three arguments, but the function only allows two arguments in PL/SQL.

Correction:

* The correct syntax is to provide only two arguments when using NVL.A text on a white background

  AI-generated content may be incorrect.

Syntax Error 2

Code Section in Error: (Line 72)A close-up of a computer code

AI-generated content may be incorrect.

Error Message Received:



Reason for Error:

* The SQL statement is missing a semicolon (;), causing PL/SQL to not recognize the end of the statement.

Correction:

* Add a semicolon at the end of the Update statement.A close-up of a computer screen

  AI-generated content may be incorrect.

Syntax Error 3

Code Section in Error: (Line 121)A screenshot of a computer program

AI-generated content may be incorrect.

Error Message Received:

Reason for Error:

* PL/SQL does not support ELSE IF. The correct syntax is ELSIF. The Else in line 122 is not connected to a valid If, leading to the error PLS-00103.

Correction:

* Change ELSE IF to ELSIF

A screen shot of a computer

AI-generated content may be incorrect.

Syntax Error 4

Code Section in Error:

A screen shot of a computer program

AI-generated content may be incorrect.

Error Message Received:

A close up of a number

AI-generated content may be incorrect.

Reason for Error:

* k\_stats should be k\_status – k\_stats is not declared

Correction:

* Change k\_stats to k\_status

A screen shot of a computer

AI-generated content may be incorrect.

Syntax Error 5

Code Section in Error: (Line 147)

A blue square with white border

AI-generated content may be incorrect.

Error Message Received:

A black text on a white background

AI-generated content may be incorrect.

Reason for Error:

* The END LOOP; statement is incorrectly placed inside the EXCEPTION block.
* The error occurred because there was a missing `END;` inside the `BEGIN ... END;` block before `END LOOP;`. If a `BEGIN` block is opened inside the loop, it must be properly closed before `END LOOP;`.

Correction:

* Move END LOOP; outside the EXCEPTION block to properly close the loop.
* Add END to close the Exception block before the end loop

A close-up of a computer screen

AI-generated content may be incorrect.

Logical Error Identification, Explanation, and Correction:

Logical Error 1

Expected Result:

Actual Result:

Code Section in Error:

Reason for Error:

Correction: