

STSCI 5060 Quiz 3

(10/29/2018)

Name_____

NetID_____

- A. The following simple SQL code contains a subquery. What kind of subquery is this? Explain your answer. (40 points)

```
SELECT Price - AvgPrice AS Difference
FROM Product_T, (SELECT AVG(Price) AS AvgPrice
FROM Product_T);
```

This is a noncorrelated subquery since no values from the outer query are used in the subquery. It is processed from the inside out.

- B. In an Oracle table called Customer_t there is a column, CustomerZipCode, which is of a char(5) datatype, write a SQL statement to convert CustomerZipCode to a number datatype with precision=5 and scale=0. (40 points)

select cast(CustomerZipCode as number(5,0)) from Customer_t;

or

select cast(CustomerZipCode as number(5)) from Customer_t;

- C. What are the requirements for a Union Query to combine the query results from two queries, Query 1 and Query 2? (20 points)

A. Query 1 and Query 2 must have the same number of output columns.

B. An output from each query for each column at the same position must have the same (or compatible) data types.