**Advanced Database Management System**

**Lab exam**

Time: 1 hour 30 mins

**Solve the following PLSQL problems using following schemas**

**sales** (**customer\_ID** , product\_ID , quantity )

**products** (**product\_ID**, price)

1. Write a PLSQL program to take the customer\_ID as an input. Display the list of unique product\_IDs that customer purchased from the sales table.
2. Write a PLSQL program to take the customer\_ID as an input. Display the total amount of that customer purchases.
3. Using cursors write a PLSQL program to print out on screen the product\_ID and price for each product within the products table (ascending by product\_ID).
4. Write a PLSQL program to display the total list of customer\_IDs and the total order value for each customer (descending by customer\_ID).
5. All the customers wishes to increase their order quantity from current order to updated order. Enable the user to take input for the updated quantity. Update the sales table to reflect this change. Print out on screen from the main section of code the total quantity for customer 4 before and after the update.( Use cursor for loop)