**SPRING 2025**

**ITD 256 Advanced Database Management**

1. **1st SQL Command**

**To retrieve all orders:**

SELECT \* FROM Orders;

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1. **2nd SQL Command**

**To retrieve parts:**

SELECT \* FROM Parts;

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1. **3rd SQL Command**

**To retrieve all order details:**

SELECT \* FROM OrderDetails;

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1. **4th SQL Command**

**To find all orders placed on 10/20/2010:**

SELECT \* FROM Orders WHERE OrderDate = #10/20/2010#;

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1. **5th SQL Command**

**To find all orders that include part ‘DR93’:**

SELECT \* FROM OrderDetails WHERE PartNum = ‘DR93’;

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1. **6th SQL Command**

**To find orders with more than 3 items:**

SELECT \* FROM OrderDetails WHERE NumOrdered > 3;

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1. **7th SQL Command**

**To count the total number of orders:**

SELECT COUNT(\*) AS TotalOrders FROM Orders;

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1. **8th SQL Command**

**To find the total quantity of each part ordered:**

SELECT PartNum, SUM(NumOrdered) AS TotalOrdered FROM OrderDetails GROUP BY PartNum;

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1. **9th SQL Command**

**To find the highest quoted price:**

SELECT MAX(QuotedPrice) AS MaxPrice FROM OrderDetails;

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1. **10th SQL Command**

**To find the lowest quoted price:**

SELECT MIN(QuotedPrice) AS MinPrice FROM OrderDetails;

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1. **11th SQL Command**

**To find the average quoted price:**

SELECT AVG(QuotedPrice) AS AvgPrice FROM OrderDetails;

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1. **12th SQL Command**

**To find the total revenue from all orders:**

SELECT SUM(NumOrdered \* QuotedPrice) AS TotalRevenue FROM OrderDetails;

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1. **13th SQL Command**

**To find orders that contain either ‘Gas Range’ or ‘Washer’**

SELECT \* FROM OrderDetails WHERE PartNum IN (‘DR93’, ‘DW11’);

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1. **14th SQL Command**

**To find parts that have never been ordered:**

SELECT \* FROM Parts WHERE PartNum NOT IN (SELECT PartNum FROM OrderDetails);

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1. **15th SQL Command**

**To retrieve all order details, sorted by highest quoted price first:**

SELECT \* FROM OrderDetails ORDER BY QuotedPrice DESC;

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