

Comp1168 Lab9 (Summary Queries)

Q1: Create a query that returns the total number of payments made by the customers, the total amount paid, average, minimum and maximum amount that was paid by a customer for their invoices (exclude zero payments). [ap.invoices]

| | No_of_Payments | Total_Payment_Amount | AverageAmount | MinimumPayment | MaximumPayment |
|---|----------------|----------------------|---------------|----------------|----------------|
| ► | 103 | 178574.14 | 1733.729515 | 6.00 | 37966.19 |

Q2: Create a query that returns the total number of vendors located in each state (Hint: use Distinct) and the total amount of payments made by them [use ap]

| State | TotalVendors | TotalPayments |
|-------|--------------|---------------|
| AZ | 1 | 662.00 |
| CA | 22 | 36526.15 |
| DC | 1 | 600.00 |
| MA | 1 | 1367.50 |
| MI | 2 | 107911.22 |
| NV | 2 | 25362.46 |
| OH | 2 | 227.68 |
| PA | 1 | 175.00 |
| TN | 1 | 4167.13 |
| TX | 1 | 1575.00 |

Q3: Create a query that returns the total number of items ordered on a particular date and the total invoiced amount for all orders date wise for those days only when the company processed more than 1 order.[use om]

| OrderDate | No of Orders Placed | TotalSales |
|------------|---------------------|------------|
| 2014-04-25 | 2 | 51.90 |
| 2014-07-21 | 2 | 65.40 |
| 2014-08-02 | 2 | 82.35 |

Q4: Create a query that returns department names and the total number of employees who work in a department and the grand total for all employees in the company Hint: with roll up[use ex]

| Department | TotalEmployees |
|-------------|----------------|
| NULL | 7 |
| Accounting | 1 |
| Maintenance | 1 |
| Payroll | 3 |
| Personnel | 2 |

Now use the IfNULL(column, 'replacement expression when finds null') function to replace the NULL in department column with the expression "TOTAL="

| Department | No of Employees |
|-------------|-----------------|
| Accounting | 1 |
| Maintenance | 1 |
| Payroll | 3 |
| Personnel | 2 |
| TOTAL = | 7 |