**Information Management – Assignment 2**

**- SANYAM JAIN (sj33448)**

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**ANSWER 1:**

**--PART 1.1**

select sum(invoice\_total) as sum\_invoice\_total from invoices;

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**--PART 1.2**

select round(avg(invoice\_total),3) as avg\_invoice\_total from invoices;

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**--PART 1.3**

select count(distinct vendor\_id) as unq\_vendor\_cnt from vendors;

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**--PART 1.4**

select stddev(invoice\_total) as stdev\_invoice\_total from invoices;

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**ANSWER 2:**

select \* from employees a inner join projects b on a.employee\_id = b.employee\_id;

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**-- Part 2.1**

select a.employee\_id , a.first\_name , a.last\_name , b.project\_number from employees a inner join projects b

on a.employee\_id = b.employee\_id;

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**-- Part 2.2**

select a.employee\_id , a.first\_name , a.last\_name , b.project\_number from employees a inner join projects b on a.employee\_id = b.employee\_id order by project\_number;

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**ANSWER 3:**

select vendor\_id, invoice\_number, invoice\_due\_date, payment\_date from invoices where payment\_date is not null;

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**ANSWER 4:**

select distinct vendor\_id from vendors;

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select distinct vendor\_id from invoices;

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**-- Part 4.1**

select distinct vendor\_id from vendors

minus

select distinct vendor\_id from invoices;

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**-- Part 4.2**

Explanation : MINUS keyword removes all instances of vendors that are associated with invoices leaving the result as a list of vendors which DON’T have any invoices.

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**ANSWER 5:**

select avg(list\_price) as avg\_list\_price from products;

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select \* from order\_items where item\_price > (select avg(list\_price) as avg\_list\_price from products);

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