

Assignment 2

Name **SOLUTION 30 points. 1 point each + 14 for attempt all problems.**

How to retrieve and update data in a database table

- Read chapter 3 on how to retrieve data from a single table
 - Do exercises 1-12 at end of chapter 3
 - Read chapter 5 on how to insert, update and delete data
 - Do exercises 1-9 at end of chapter 5
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Copy and paste your working select statement for questions 6-12 from chapter 3

```
6. select vendor_name, vendor_contact_last_name,  
    vendor_contact_first_name  
    from vendors  
    order by vendor_contact_last_name, vendor_contact_first_name;
```

```
7. select concat(vendor_contact_last_name, ', ',  
    vendor_contact_first_name) from vendors  
    where vendor_contact_last_name regexp '^[ABCE]'  
    order by vendor_contact_last_name, vendor_contact_first_name;
```

```
8. select invoice_due_date as 'Due Date',  
    invoice_total as 'Invoice Total',  
    round(.1*invoice_total,2) as '10%',  
    round(1.1*invoice_total,2) as 'plus 10%'  
    from invoices  
    where invoice_total between 500 and 1000  
    order by invoice_due_date desc;
```

```
9. select invoice_number,  
    invoice_total,  
    payment_total+credit_total as payment_credit_total,  
    invoice_total - payment_total - credit_total as balance_due
```

```

from invoices
where invoice_total - payment_total - credit_total > 50
order by balance_due desc
limit 5;

```

```

10.      select invoice_number,
            invoice_date,
            invoice_total - payment_total - credit_total as balance_due,
            payment_date
from invoices
where payment_date is null;

```

```

11.      select date_format(current_date(), '%m-%d-%Y') as 'current_date' ;

```

```

12.      select 50000 as starting_principal,
            round(.065*50000,2) as interest,
            50000+round(.065*50000,2) as principal_plus_interest;

```

Copy and paste your working insert, update or delete statement for questions from chapter 5

```

1. insert into terms (terms_id, terms_description,
                    terms_due_days)
    values(6, 'Net due 120 days', 120);

```

```

2. update terms set terms_description='Net due 125 days',
    terms_due_days=125
    where terms_id=6;

```

```

3. delete from terms where terms_id=6;

4. insert into invoices
    values (default, 32, 'AX-014-027', '2014-08-01', 434.58, 0,
    0, 2, '2014-08-31',null);

5. insert into invoice_line_items
    values (116, 1, 160, 180.23, 'Hard drive'),
    (116, 2, 527, 254.35, 'Exchange server update');

6. update invoices
    set credit_total = 0.10*invoice_total,
    payment_total=0.90*invoice_total
    where invoice_id=116;

7. update vendors
    set default_account_number = 403 where vendor_id=44;

8. update invoices set terms_id = 2
    where vendor_id in (select vendor_id from vendors
    where default_terms_id=2);

9. delete from invoice_line_items where invoice_id=116;

    delete from invoices where invoice_id=116;

```