CREATE TABLE vendors6 AS

SELECT \*

FROM vendors;

CREATE TABLE invoices6 AS

SELECT \*

FROM invoices;

alter table vendors6

add CONSTRAINT vendors6\_pk

PRIMARY KEY (vendor\_id);

alter table vendors6

add CONSTRAINT vendors6\_vendor\_name\_uq

UNIQUE (vendor\_name);

alter table vendors6

add CONSTRAINT vendors6\_fk\_terms

FOREIGN KEY (default\_terms\_id)

REFERENCES terms (terms\_id);

alter table vendors6

add CONSTRAINT vendors6\_fk\_accounts

FOREIGN KEY (default\_account\_number)

REFERENCES general\_ledger\_accounts (account\_number);

alter table invoices6

add CONSTRAINT invoices6\_pk

PRIMARY KEY (invoice\_id);

alter table invoices6

add CONSTRAINT invoices6\_fk\_vendors

FOREIGN KEY (vendor\_id)

REFERENCES vendors6 (vendor\_id);

alter table invoices6

add CONSTRAINT invoices6\_fk\_terms

FOREIGN KEY (terms\_id)

REFERENCES terms (terms\_id);

alter table invoices6

add Balance\_Due Number(9,2);

UPDATE invoices6

SET BALANCE\_DUE = invoice\_total - payment\_total - CREDIT\_TOTAL;

---QUESTION 2 STARTS-----------------------

DELETE FROM VENDORS6 WHERE VENDOR\_ID = 101;

/

---END OF QUESTION 2-----------------------

------------3.1----------------------------

BEGIN

EXECUTE IMMEDIATE

'CREATE OR REPLACE FUNCTION get\_calculate '

|| '(first\_num NUMBER, second\_num NUMBER, third\_num NUMBER) '

|| 'RETURN NUMBER '

|| 'AS final\_num NUMBER; '

|| 'BEGIN '

|| 'RETURN (first\_num - (second\_num + third\_num)); '

|| 'END; '

;

END;

/

----------3.2-------TRIGGER----STARTS--------

BEGIN

EXECUTE IMMEDIATE Q'[CREATE OR REPLACE TRIGGER

BAL\_TRIGGER BEFORE INSERT OR UPDATE ON INVOICES6

FOR EACH ROW

BEGIN :NEW.BALANCE\_DUE := get\_calculate(:NEW.INVOICE\_TOTAL, :NEW.PAYMENT\_TOTAL, :NEW.CREDIT\_TOTAL); END;

]'; END;

----TRIGGER ENDS-------------------------=----------------------

/

DECLARE

new\_vendor\_id vendors6.vendor\_id%TYPE;

new\_invoice\_id invoices6.invoice\_id%TYPE;

BEGIN

SELECT MAX(vendor\_id)+1 INTO new\_vendor\_id

FROM vendors6;

INSERT INTO vendors6

VALUES (new\_vendor\_id,'Advait R. Patel, LLC','Wabash Ave.',NULL,'Chicago','IL',60604,8475084136,'Patel','Advait',3,400);

FOR I IN 1..3 LOOP

SELECT MAX(invoice\_id)+1 INTO new\_invoice\_id

FROM invoices6;

INSERT INTO invoices6 VALUES

(new\_invoice\_id,new\_vendor\_id,'AAA-7654-ZZZ',SYSDATE, 6400.59, 0, 0, 3, SYSDATE+30, NULL, 6400.59);

END LOOP;

UPDATE invoices6 SET credit\_total = ROUND(invoice\_total\*0.15,2), balance\_due = invoice\_total-(Payment\_Total + credit\_total)

WHERE vendor\_id = new\_vendor\_id;

END;

/

BEGIN

FOR I IN 1..3 LOOP

UPDATE invoices6 set balance\_due = 0 WHERE invoice\_id = (select MAX(invoice\_id) from invoices6 where balance\_due != 0);

END LOOP;

END;

/

------------------------------

SET LINESIZE 1000

COLUMN VENDOR\_DETAILS FORMAT A30;

COLUMN INVOICE\_TOTAL FORMAT $999,999,999.00;

COLUMN CREDIT\_TOTAL FORMAT $999,999,999.00;

COLUMN PAYMENT\_TOTAL FORMAT $999,999,999.00;

COLUMN BALANCE\_DUE FORMAT $999,999,999.00;

COLUMN VENDOR\_NAME FORMAT A25

SELECT INVOICES6.VENDOR\_ID, VENDORS6.VENDOR\_NAME,INVOICE\_ID, TRIM(TO\_CHAR(INVOICE\_DATE,

'Month')) || ' ' || TRIM(TO\_CHAR(INVOICE\_DATE, 'DD, YYYY')) AS INVOICE\_DATE , TRIM(TO\_CHAR(INVOICE\_DUE\_DATE, 'Month')) || ' ' || TRIM(TO\_CHAR(INVOICE\_DUE\_DATE, 'DD, YYYY')) AS

INVOICE\_DUE\_DATE , INVOICE\_TOTAL, CREDIT\_TOTAL, BALANCE\_DUE

FROM INVOICES6

JOIN VENDORS6 ON VENDORS6.VENDOR\_ID = INVOICES6.VENDOR\_ID

WHERE INVOICES6.VENDOR\_ID = (SELECT MAX(vendors6.vendor\_id) FROM vendors6);

-------5.

DROP FUNCTION get\_calculate;

DROP TRIGGER BAL\_TRIGGER;

DROP TABLE INVOICES6;

DROP TABLE VENDORS6;

Table VENDORS6 created.

Table INVOICES6 created.

Table VENDORS6 altered.

Table VENDORS6 altered.

Table VENDORS6 altered.

Table VENDORS6 altered.

Table INVOICES6 altered.

Table INVOICES6 altered.

Table INVOICES6 altered.

Table INVOICES6 altered.

114 rows updated.

1 row deleted.

PL/SQL procedure successfully completed.

PL/SQL procedure successfully completed.

PL/SQL procedure successfully completed.

PL/SQL procedure successfully completed.

VENDOR\_ID VENDOR\_NAME INVOICE\_ID INVOICE\_DATE INVOICE\_DUE\_DATE INVOICE\_TOTAL CREDIT\_TOTAL BALANCE\_DUE

---------- ------------------------- ---------- ------------------ ------------------ ---------------- ---------------- ----------------

124 Advait R. Patel, LLC 115 November 02, 2015 December 02, 2015 $6,400.59 $960.09 $5,440.50

124 Advait R. Patel, LLC 116 November 02, 2015 December 02, 2015 $6,400.59 $960.09 $5,440.50

124 Advait R. Patel, LLC 117 November 02, 2015 December 02, 2015 $6,400.59 $960.09 $5,440.50

Function GET\_CALCULATE dropped.

Trigger BAL\_TRIGGER dropped.

Table INVOICES6 dropped.

Table VENDORS6 dropped.