In-class Exercise

1. Write a procedure “PrintVendorName” that has one input parameter. The parameter is vendor ID. Print out the vendor’s name and city. (20 points)

Execute the procedure with input 83

Write your procedure PrintVendorName here:

“set serveroutput on;

create or replace procedure PrintVendorName(v\_id in number) is

cursor vendor\_cursor is

select vendor\_name, vendor\_city

from vendors

where vendor\_id = v\_id;

vendor\_row vendor\_cursor%rowtype;

begin

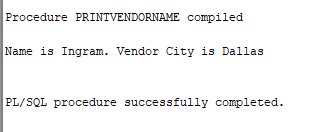
for vendor\_row in vendor\_cursor loop

dbms\_output.put\_line('Name is' || vendor\_row.vendor\_name || 'Vendor City is '||vendor\_row.vendor\_city);

end loop;

end;”

“execute PrintVendorName(83);”



1. Implement a function **invoiceCheck** with one input parameter (invoice number) to check if the invoice exists in your database. Write a procedure **InvoiceDetail** with one input parameter (invoice number). In the procedure, call the function invoiceCheck to check if the invoice exists, if yes, display the invoice\_id, invoice\_total and invoice\_due\_date for that invoice. If not, print out a message “invoice not in the database” from your procedure. (80 points)

Execute the procedure with inputs “QP58872” and “ILO230” .

Write your function invoiceCheck here:

“create or replace function invoiceCheck(invoice in varchar2)

return char is

exist char;

try invoices.invoice\_number%type;

begin

select invoice\_number into try

from invoices

where invoice = invoice\_number;

if invoice = try

then exist := 'y';

else exist := 'n';

end if;

return exist;

end;”

Write your Procedure invoiceDetails here:

“set serveroutput on;

create or replace procedure InvoiceDetail(invoice in varchar2) is

i\_id number;

i\_total number;

i\_due\_date date;

begin

if invoiceCheck(invoice) = 'y'

then

select invoice\_id, invoice\_total, invoice\_due\_date

into i\_id, i\_total, i\_due\_date

from invoices

where invoice = invoice\_number;

dbms\_output.put\_line('Invoice ID: '|| i\_id ||' Invoice Total: '|| i\_total ||' Invoice Due Date: '|| i\_due\_date);

else

raise no\_data\_found;

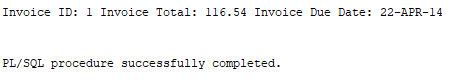
end if;

exception when no\_data\_found then

dbms\_output.put\_line('Invoice not in the database');

end;”

“execute invoiceDetail(' QP58872');”



“execute invoiceDetail('ILO230');”

