**Exercise 3.1 – Text Functions**

**Exercise 3.1.1 – Manipulation**

Display the following in a single SELECT from dept

a)dept\_name

b) The three characters of dept\_name

c) The last three characters of dept\_name

d) The 5th and 6th characters of dept\_name

e) dept\_name in capitals

f) dept\_name in small letters

**Exercise 3.1.2 – Search**

Display the following in a single SELECT from dept

a) dept\_name

b) The position of the first “I” in dept\_name

c) The starting position of ‘systems’ in dept\_name

**Exercise 3.2 – Date / Time Functions**

**Exercise 3.2.1 – Date**

Display the following in a single SELECT from sale

a)order\_date

b) Just the date part of order\_date

c) The date of order\_date in format:

 3 letter name of day

 2 digit day-of-month

 3 letter name of month

 4 digit year

 For example: “Fri 20 Jan 2017”

**Exercise 3.2.2 – Time**

Display the following in a single SELECT from sale

a)order\_date

b) Just the time part of order\_date

c) The time of order\_date in format: HH:MM:SS – For example:

“15:49:21”

**Exercise 3.2.3 – Current Date / Time**

Display the following in a single SELECT from sale

a) The current date and time using NOW as a number

b) The current date and time using SYSDATE as a number

c) Just the UTC date

d) Just the UTC time

**Exercise 3.2.4 – Date / Time Calculations**

Display the following in a single SELECT from sale

a) The current date and time using NOW

b)order\_date

c) Add 1 week to order\_date

d) Subtract 1 hour from order\_date

e) Time difference between current date and time and noon today

**Exercise 3.3 – Conversion Functions**

**Exercise 3.3.1 – Conversion Functions**

Display the following in a single SELECT from sale

a)order\_date

b) Change order\_date to a time using CAST

c) Change order\_date to a time using CONVERT

d)order\_value

e) Change order\_value to a 3 letter text string using CAST

f) Change order\_value to a 3 letter text string using CONVERT

g) Round order\_value to 2 decimal places

**Exercise 3.4 – NULL Functions**

**Exercise 3.4.1 – NULL Functions**

Display the following in a single SELECT from salesperson

a)emp\_no

b)notes

c) Whether notes is a NULL value or not

d)notes if it is NOT NULL or “No Notes Specified” if it is NULL

**Exercise 3.5 – Nested Functions**

**Exercise 3.5.1 – Nested Functions**

Display the following in a single SELECT from sale

a)order\_date

b) Current date and time

c) Minutes of current date and time

d) Minutes of current date and time rounded to nearest 10 minutes