

## Week 19 - Workshop tasks

### Part 2 - Restricting and Sorting Data

1. What is the default display length of the DATE datatype column?

- A. 8
- B. 9
- C. 19
- D. 6

2. You issue the following query:

```
SELECT B_Code, Title
```

```
FROM Books
```

```
WHERE Price = 12 or Price = 14;
```

Which other operator can replace the OR condition in the WHERE clause?

- A. BETWEEN
- B. LIKE
- C. <=
- D. IN
- E. >=

3. Which special character is used to query all the columns from the table without Listing each column by name?

- A. %
- B. &
- C. \*
- D. @

4. Display the name of all the authors who have an *a* and *e* in their last name.

5. Display Book code, Book Title Price and type of the all the books whose type is FIC in alphabetical order of Book title.

6. Display the book title and Price for all the books whose price is not in the range of £10 and £20.

7. Display the books name and price for all the books whose price is in the range of

£ 10 and £ 20, also arrange the data in descending order of Price

8. List all the details of all the publishers. Order the list in descending order by Publisher code.
9. When doing pattern matching using the LIKE operator, which of the following Character is used as the default escape character by Oracle?
  - A. |
  - B. /
  - C. \
  - D. There is no default escape character in Oracle9i
10. Column alias names cannot be used in which clause?
  - A. SELECT clause
  - B. WHERE clause
  - C. ORDER BY clause
  - D. None of the above
11. The following listing shows the records of the Books table.

B_CO	TITLE	PRICE	P_	TY
180	A Deepness in the Sky	7.25	TB	SF
189	Magic Terror	7.95	FA	HO
200	The Stranger	8	UB	FI
378	Venice	24.5	SS	AR
079X	Second Wind	24.95	PU	MY
808	The Edge	6.95	JP	MY
1351	Dreamcatcher	19.6	SC	HO
1382	Treasure Chests	24.45	TA	AR
138X	Beloved	12.95	PL	FI
2226	Harry Potter and the Prisoner of Azkaban	13.95	ST	SF
2281	Van Gogh and Gauguin	21	WP	AR
2766	Of Mice and Men	6.95	PE	FI
2908	Electric Light	14	FS	PO
3350	Group: Six People in Search of a Life	10.4	BP	PS
3743	Nine Stories	5.95	LB	FI
3906	The Soul of a New Machine	11.15	BY	SC
5163	Travels with Charley	7.95	PE	TR
5790	Catch-22	12	SC	FI
6128	Jazz	12.95	PL	FI
6328	Band of Brothers	9.6	TO	HI
669X	A Guide to SQL	37.95	CT	CM
6908	Franny and Zooey	5.95	LB	FI
7405	East of Eden	12.95	PE	FI
7443	Harry Potter and the Goblet of Fire	18.15	ST	SF
7559	The Fall	8	UB	FI
8720	When Rabbit Howls	6.35	JP	PS
9611	Black House	18.8	RH	HO
9627	Song of Solomon	14	PL	FI
9701	The Grapes of Wrath	13	PE	FI
9882	Slay Ride	6.95	JP	MY
9883	The Catcher in the Rye	5.95	LB	FI
9931	To Kill a Mockingbird	18	HC	FI
8092	Godel Escher Bach	14	BA	PH
9991	Harry Potter and the Order of Phoenix	15.45	ST	SF

When you issue the following query, which value will be displayed in the first row?

```
SELECT B_Code FROM Books
```

```
WHERE Type = 'HOR'
```

```
ORDERBY Title DESC;
```

- A. Magic Terror
- B. 9611
- C. 189
- D. No rows will be returned because Title cannot be used in the ORDER BY clause.

12. Refer to the listing of records in Books table in question 11 how many rows the Following query return?

```
SELECT * FROM Books WHERE Title BETWEEN 'A' AND 'D';
```

- A. 4
- B. 2
- C. A character column cannot be used in the between operator.
- D. 6

13. When you issue the following query, will you encounter any error? If YES then how Many and why.

```
SELECT B_Code AS "Book Number", Title AS "Book Name"
```

```
FROM Books
```

```
WHERE Type ='HOR' AND "Book Number" = 180
```

```
ORDER BY "Book Number"
```

- A. 1
- B. 3
- C. 4
- D. No error, the statement will finish successfully.

14. Write a query to display the all the books name whose third character is 'e'.

15. Display all the book titles, type and price whose Publisher is not BY, VB, PB and whose price equal to £5, £14 or £24.

### Part 3 - Single-Row Functions

1. Write a query to display the current date. Label the column as Date.
2. Which assertion about the following is most TRUE?

`SELECT P_Code || City FROM Publisher;`

`SELECT CONCAT (P_Code, City) FROM Publisher;`

- A. If the P\_Code is NULL the first statement will not include that Publisher's City.
  - B. If the P\_Code is NULL the second statement will not include that Publisher's City.
  - C. Both statements will return the same data.
  - D. The second statement will raise an exception if the P\_Code is NULL for any Publisher.
3. Which function(s) accept argument of any datatype? (Choose all that apply.)
    - A. SUBSTR
    - B. NVL
    - C. ROUND
    - D. SIGN
    - E. COALESCE
  4. Write a query to display the title of the books in upper case and the length of the title. For all the books available whose price is less than £ 8?
  5. You want to display current date as the day, week, number and year. Which of the following will give output like the following?

**Monday Week 35, 2011**

- A. `SELECT to_char(SYSDATE, 'DOW Week WOY YYYY') FROM Dual;`
  - B. `SELECT to_char(SYSDATE, 'Day' || ' Week' || ' WOY, YYYY') FROM Dual;`
  - C. `SELECT to_char(SYSDATE, 'Day " Week" WW, YYYY') FROM Dual;`
  - D. `SELECT to_char(SYSDATE, 'Day Week#, YYYY') FROM Dual;`
  - E. You cannot calculate week number with Oracle.
6. Which of the single row function is used to return a specific portion of a character string?
    - A. INSTR
    - B. SUBSTR
    - C. LPAD
    - D. LEAST
  7. Display the release dates of all the books releasing in month of May.
  8. Display the release date of all the books.
  9. Display the B\_Code, Release\_Date and day of the week on which the book was released. Label the column as DAY.