**DAY 4 ASG SOLUTIONS:**

**Collaborative**

40)

SELECT DISTINCT ITEMTYPE,

CASE

WHEN PRICE BETWEEN 0 AND 499 THEN 'Cheap'

WHEN PRICE >= 500 AND PRICE <= 1999 THEN 'Affordable'

WHEN PRICE >= 2000 AND PRICE <= 4999 THEN 'Expensive'

WHEN PRICE > 4999 THEN 'Very Expensive'

END AS CLASSIFICATION

FROM ITEM ORDER BY ITEMTYPE, CLASSIFICATION

41 )

SELECT TO\_CHAR(QDATE,'Month') MONTH, COUNT(\*) QUOTATIONCOUNT FROM QUOTATION GROUP BY TO\_CHAR(QDATE,'Month')

42)

SELECT ORDERID, ROUND(MONTHS\_BETWEEN(PYMTDATE,ORDERDATE),2) "No of Months" FROM ORDERS where MONTHS\_BETWEEN(PYMTDATE,ORDERDATE) > 0.1

43)

SELECT EMPID, SALARY "Current Salary", SALARY \* 1.2 "New Salary", SALARY \* 0.2 "Incremented Amount" FROM EMPDETAILS WHERE DESIGNATION = 'Manager'

44)

SELECT ITEMCODE FROM ITEM WHERE ABS(QTYONHAND - REORDERLEVEL) > 50

**Exercise**

31)

SELECT PRODID, PDESC, PRICE AS "Old\_Price", ROUND(PRICE \* (1-0.225),2) AS "New\_Price" FROM PRODUCT WHERE CATEGORY = 'Sports'

32)

SELECT SALEID, ROUND(ABS(MONTHS\_BETWEEN(SLDATE,SYSDATE)),1) AS MONTH\_AGED FROM SALE

33)

SELECT ROUND(AVG(PRICE),2) "Avg", MIN(PRICE) "Min", MAX(PRICE) "Max", COUNT(\*) "Total" FROM PRODUCT

34)

SELECT SNAME || ' is from ' || LOCATION RESULT FROM SALESMAN

35)

SELECT TO\_CHAR(TO\_DATE('Jan/10/2015','Mon/DD/YYYY'),'Month') MONTH, TO\_NUMBER('2,50,000','9,99,999') AMOUNT FROM DUAL

36)

SELECT PRODID, PDESC, PRICE FROM PRODUCT ORDER BY PRICE DESC, PRODID DESC

37)

SELECT PRODID, PDESC, PRICE FROM PRODUCT ORDER BY PDESC

38)

SELECT LOCATION, COUNT(\*) NUMBER\_SMAN FROM SALESMAN GROUP BY LOCATION

39)

SELECT CATEGORY FROM PRODUCT GROUP BY CATEGORY HAVING COUNT(CATEGORY) > 1

**Assignment Mandatory**

45)

SELECT ITEMCODE, AVG(QTYAVAILABLE) "Average Quantity" FROM RETAILSTOCK GROUP BY ITEMCODE HAVING AVG(QTYAVAILABLE) < 75

46)

SELECT PYMTMODE, COUNT(\*) PYMTCOUNT FROM ORDERS WHERE TO\_CHAR(PYMTDATE,'YYYY') < '2015' GROUP BY PYMTMODE HAVING COUNT(\*) > 1

47)

SELECT SNAME, AVG(QUOTEDPRICE) "Average quoted price" FROM QUOTATION WHERE QSTATUS IN ('Closed') GROUP BY SNAME HAVING AVG(QUOTEDPRICE) > 500

48)

SELECT ITEMTYPE, CATEGORY, ROUND(AVG(PRICE),2) "Average item price" FROM ITEM WHERE ITEMTYPE IN ('FMCG', 'Computer') GROUP BY ITEMTYPE, CATEGORY HAVING AVG(PRICE) < 2000

49)

SELECT JOB, AVG(SAL) "Average Salary" FROM EMP WHERE JOB IN ('MANAGER', 'ANALYST') GROUP BY JOB HAVING AVG(SAL) > 1500

50)

SELECT JOB, DEPTNO, AVG(SAL) AVGSALARY FROM EMP WHERE DEPTNO IN (10,20) AND SAL > 2000 GROUP BY JOB, DEPTNO HAVING AVG(SAL) > 2500  
51)

SELECT EMPID, EMPNAME, SALARY,

CASE DESIGNATION

WHEN 'Administrator' THEN SALARY \* 1.1

WHEN 'Manager' THEN SALARY \* 1.05

WHEN 'Billing Staff' THEN SALARY \* 1.2

WHEN 'Security' THEN SALARY \* 1.25

ELSE SALARY \* 1.02

END AS INCREASEDSALARY FROM EMPDETAILS

52)

SELECT EMPID, SALARY,

CASE

WHEN SALARY < 2500 THEN 'Class 3'

WHEN SALARY BETWEEN 2500 AND 5000 THEN 'Class 2'

ELSE 'Class 1'

END SALGRADE FROM EMPDETAILS

53)

SELECT ITEMCODE, PRICE "Old Price", ROUND(PRICE \* (1-0.255), 2) "New Price" FROM ITEM WHERE ITEMTYPE = 'FMCG'

54)

SELECT EMPID, EMPNAME, WORKSIN FROM EMPDETAILS WHERE DESIGNATION = 'Billing Staff'

55)

SELECT ORDERID, STATUS, NVL(PYMTMODE,'Payment yet not done') PYMTMODE FROM ORDERS

56)

SELECT DESCR FROM ITEM WHERE LENGTH(DESCR) > 15

57)

SELECT DISTINCT SUBSTR(ROID,2) NUMERICROID FROM RETAILSTOCK

58)

SELECT TO\_CHAR(SYSDATE,'Mon/DD/YYYY Day') CURRENTDATE FROM DUAL

59)

SELECT COUNT(\*) TOTALORDERSCOUNT, COUNT(PYMTMODE) PAIDORDERSCOUNT FROM ORDERS

**Assignment Optional**

60)

SELECT ORDERID, ABS(ORDERDATE - PYMTDATE) NOOFDAYS FROM ORDERS

61)

SELECT COUNT(DISTINCT(ITEMTYPE)) NOOFITEMTYPES FROM ITEM

62)

SELECT MAX(SALARY) MAXSAL, MIN(SALARY) MINSAL, SUM(SALARY) TOTALSAL, AVG(SALARY) AVGSAL FROM EMPDETAILS

63)

SELECT SNAME, AVG(QUOTEDPRICE) "Average quoted price" FROM QUOTATION WHERE QUOTEDPRICE>1000 AND QSTATUS ='Closed' GROUP BY SNAME HAVING AVG(QUOTEDPRICE) < 4500

64)

SELECT COUNT(DISTINCT ITEMCODE) NOOFITEMS FROM ITEM

65)

SELECT ORDERID, MONTHS\_BETWEEN(ORDERDATE, PYMTDATE) "No of Months" FROM ORDERS

66)

SELECT SUM(QUOTEDPRICE) TOTALPRICE FROM QUOTATION WHERE TO\_CHAR(QDATE,'Mon') = 'Jun' AND QSTATUS = 'Accepted'