

## 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'
```