**DATA BASE SYSTEMS LAB 6**

**Name: Ahmed Kasteer**

**Roll Number: 20F-0336**

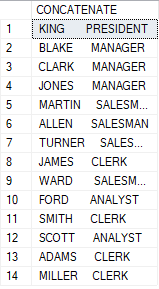
**Section: 4D**

**AGENDA**

* **STRING FUNCTIONS**

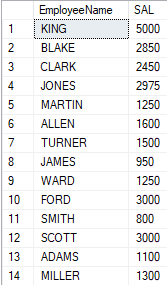
**“Concatenation”**

SELECT ENAME + ' ' + JOB as CONCATENATE FROM EMP;

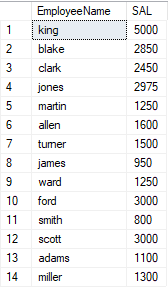
****

**“UPPER AND LOWER”**

SELECT UPPER(ENAME) AS EmployeeName, SAL FROM EMP;

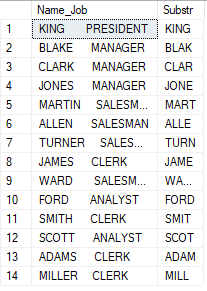
****

SELECT LOWER(ENAME) AS EmployeeName, SAL FROM EMP;

****

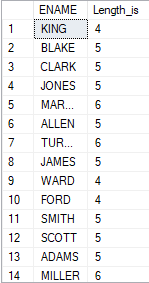
**“SUBSTRING”**

SELECT ENAME+ ' ' + JOB AS Name\_Job, SUBSTRING(ENAME, 1,4) AS Substr FROM EMP;

****

**“LENGTH”**

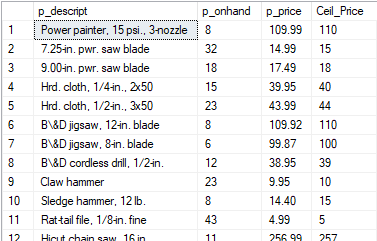
SELECT ENAME, LEN(ENAME) AS Length\_is FROM EMP;

****

* **Numeric Functions**

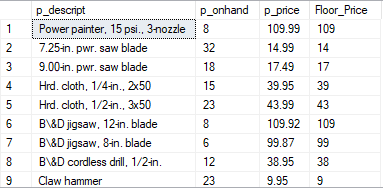
**“CEILENG”**

SELECT p\_descript, p\_onhand, p\_price, CEILING(p\_price) AS Ceil\_Price FROM p;

****

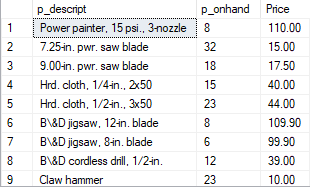
**“FLOOR”**

SELECT p\_descript, p\_onhand, p\_price, FLOOR(p\_price) AS Floor\_Price FROM p;

****

**“ROUND”**

SELECT p\_descript, p\_onhand, ROUND(p\_price, 1) AS Price FROM p;

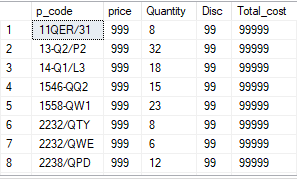
****

* **CONVERSION FUNCTIONS**

**“Numeric to Character”**

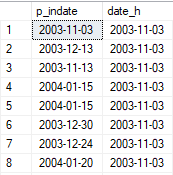
SELECT p\_code, CONVERT(int, '999') AS price, p\_onhand AS Quantity,CONVERT(int,

'99') AS Disc, CONVERT(int,'99999') AS Total\_cost FROM p;



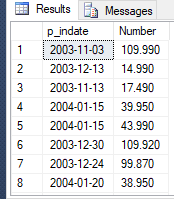
**“Date to Character”**

SELECT p\_indate, CONVERT(varchar, '2003-11-03') AS date\_h FROM p;

****

**“String to Number”**

SELECT p\_indate, CAST(p\_price AS Numeric(10,3)) AS Number FROM p;

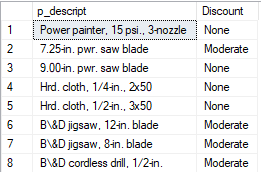
****

**“CASE/DECODE”**

SELECT p\_descript, CASE WHEN p\_discount = 0.05 THEN 'Moderate'

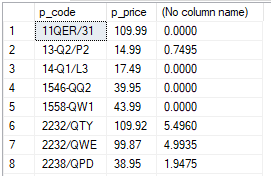
WHEN p\_discount = 0.1 THEN 'High'

ELSE 'None' END AS Discount FROM p;

****

**“NVL/ISNULL”**

SELECT p\_code, p\_price, p\_price\*ISNULL(p\_discount, 0) FROM p;

****