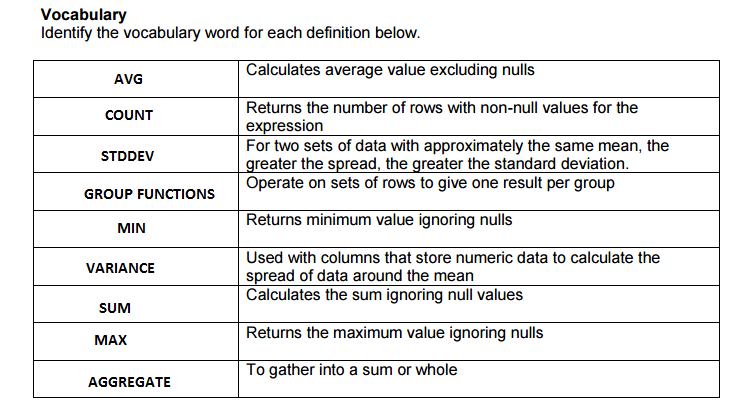
**Asiqul Hoque**

**Section 4 Group Functions**

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**1.**

**AVG**

Returns the average of a set of values

SELECT AVG(salary)

FROM employees;

**SUM**

Returns the sum of a set of values

SELECT SUM(salary)

FROM employees;

**MIN and MAX**

Return the minimum and maximum value from a set of values

SELECT MIN(department\_id)

FROM departments;

SELECT MAX(last\_name)

FROM employees;

**COUNT**

Returns the number of rows counted with non null values for the expression specified

SELECT COUNT(commission\_pct)

FROM employees;

**STDDEV**

A statistical function that returns the standard deviation ignoring null values for expressions of NUMBER type

SELECT STDDEV(salary)

FROM employees;

**VARIANCE**

A statistical function that returns the variance ignoring null values for expressions NUMBER type

SELECT VARIANCE(salary)

FROM employees;

**2.Select round(avg(cost),2)**

**from d\_events;**

****

**3.Select avg(salary)**

**from f\_staffs**

**where manager\_id=19;**

****

**4.Select sum(salary)**

**from f\_staffs**

**where id in(9, 12);**

****

**5.Select min(salary), max(hire\_date), max(last\_name), min(last\_name)**

**from employees**

**where department\_id in(50, 60);**

****

**6. 1 ROW**

**7.More people were paid by salary**

**8. March 30, 1969**

**9. Select avg(order\_number)**

**from f\_orders**

**where order\_date between '01-Jan-02' and'31-Dec-02';**

****

**10.select max(hire\_date)**

**from employees;**

****

**11. SUM(operating\_cost)**

**12.Which clauses represent valid statements?**

**\_\_\_\_VALID\_\_\_a. FROM event\_date**

**\_\_VALID\_\_\_\_\_b. SELECT SUM(cost)**

**\_\_\_VALID\_\_\_\_c. SELECT SUM(event\_date)**

**\_VALID\_\_\_\_\_\_d. SELECT description, AVG(cost) AS "Expense"**

**\_\_\_INVALID\_\_\_\_e. WHERE MIN(id) = 100**

**\_\_\_VALID\_\_\_\_f. SELECT MAX(AVG(cost)**

**\_\_VALID\_\_\_\_\_g. SELECT MIN(event\_date)**