

Worksheet: MySQL Output-Based Questions

Topic: Single Row and Aggregate Functions

Class XII – Computer Science (083)

Q1. Consider the following table STUDENT:

RollNo	Name	Class	Marks	City
101	Riya	12	89	Delhi
102	Arjun	12	76	Mumbai
103	Neha	12	92	Delhi
104	Karan	12	65	Chennai
105	Meena	12	80	Kolkata

a) SELECT UPPER(Name) FROM STUDENT WHERE City='Delhi';

Answer: _____

b) SELECT LENGTH(Name) FROM STUDENT WHERE RollNo=103;

Answer: _____

c) SELECT ROUND(AVG(Marks),0) FROM STUDENT;

Answer: _____

d) SELECT MIN(Marks), MAX(Marks) FROM STUDENT;

Answer: _____

e) SELECT SUBSTR(Name,2,3) FROM STUDENT WHERE RollNo=101;

Answer: _____

Q2. Consider the table EMPLOYEE:

EID	Name	Dept	Salary	Commission
E01	Ankit	Sales	50000	5000
E02	Bhavna	HR	60000	NULL
E03	Deepak	Sales	55000	7000
E04	Isha	Admin	45000	NULL
E05	Rajesh	HR	65000	8000

a) SELECT COUNT(*) FROM EMPLOYEE WHERE Dept='HR';

Answer: _____

b) SELECT IFNULL(Commission,0) FROM EMPLOYEE WHERE EID='E02';

Answer: _____

c) SELECT CONCAT(Name,'-',Dept) FROM EMPLOYEE WHERE EID='E03';

Answer: _____

d) SELECT SUM(Salary) FROM EMPLOYEE WHERE Dept='Sales';

Answer: _____

e) SELECT AVG(Salary) FROM EMPLOYEE;

Answer: _____

Q3. Consider the table PRODUCT:

PID	PName	Price	Quantity	Category
P101	Keyboard	1200	10	Computer
P102	Mouse	700	15	Computer
P103	Pen Drive	800	20	Storage
P104	Hard Disk	4000	5	Storage
P105	Monitor	8500	2	Display

a) SELECT MAX(Price) FROM PRODUCT WHERE Category='Computer';

Answer: _____

b) SELECT SUM(Quantity) FROM PRODUCT;

Answer: _____

c) SELECT LOWER(PName) FROM PRODUCT WHERE PID='P104';

Answer: _____

d) SELECT COUNT(DISTINCT Category) FROM PRODUCT;

Answer: _____

e) SELECT MOD(Price,1000) FROM PRODUCT WHERE PName='Monitor';

Answer: _____

Q4. Consider the table CUSTOMER:

CID	CName	City	Purchase	Rating
C01	Neeraj	Delhi	45000	4
C02	Tanya	Mumbai	52000	5
C03	Mohit	Delhi	37000	3
C04	Suman	Chennai	49000	5
C05	Alok	Delhi	41000	4

a) SELECT City, COUNT(*) FROM CUSTOMER GROUP BY City;

Answer: _____

b) SELECT AVG(Purchase) FROM CUSTOMER WHERE City='Delhi';

Answer: _____

c) SELECT MIN(Rating) FROM CUSTOMER;

Answer: _____

d) SELECT UPPER(CName) FROM CUSTOMER WHERE Rating=5;

Answer: _____

e) SELECT SUM(Purchase), MAX(Purchase) FROM CUSTOMER;

Answer: _____

Answer Sheet

Q1

- a) RIYA, NEHA
- b) 4
- c) 80
- d) 65, 92
- e) iya

Q2

- a) 2
- b) 0
- c) Deepak-Sales
- d) 105000
- e) 55000

Q3

- a) 1200
- b) 52
- c) hard disk
- d) 3
- e) 500

Q4

- a) Chennai - 1, Delhi - 3, Mumbai - 1
- b) 41000
- c) 3
- d) TANYA, SUMAN
- e) 224000, 52000