

A thick vertical purple bar is positioned on the left side of the page. Three overlapping circles are located in the center-right area: a large light blue circle at the top, a medium purple circle at the bottom right, and a small light beige circle at the bottom left. The text is placed within these circles.

**NAUMAN
TASAWAR**

19P-0073

SECTION-4A

BS-CS

TASK1:

```
MariaDB [labtask3]> CREATE VIEW EMP_WORKED AS
-> SELECT E.EMP_LNAME, E.EMP_FNAME, H.ATTRACT_NO,H.DATE_WORKED
-> FROM employee E JOIN hours H
-> ON E.EMP_NUM = H.EMP_NUM;
Query OK, 0 rows affected (0.014 sec)
```

```
MariaDB [labtask3]> SELECT* FROM EMP_WORKED;
```

EMP_LNAME	EMP_FNAME	ATTRACT_NO	DATE_WORKED
Calderdale	Emma	10034	2007-05-18
Calderdale	Emma	10034	2007-05-20
Ricardo	Marshel	10034	2007-05-18
Arshad	Arif	30012	2007-05-23
Arshad	Arif	30044	2007-05-21
Arshad	Arif	30044	2007-05-22
Denver	Enrica	30011	2007-05-21
Denver	Enrica	30012	2007-05-22
Namowa	Mirrelle	10078	2007-05-18
Namowa	Mirrelle	10098	2007-05-18
Namowa	Mirrelle	10098	2007-05-19

11 rows in set (0.001 sec)

TASK2:

```
MariaDB [labtask3]> SELECT DISTINCT(SALE_DATE )
-> FROM SALES;
+-----+
| SALE_DATE |
+-----+
| 2007-05-18 |
+-----+
1 row in set (0.017 sec)
```

TASK3:

```
MariaDB [labtask3]> SELECT CURRENT_DATE(), CURRENT_TIME();
+-----+-----+
| CURRENT_DATE() | CURRENT_TIME() |
+-----+-----+
| 2021-04-10      | 04:41:04        |
+-----+-----+
1 row in set (0.000 sec)
```

TASK4:

```
MariaDB [labtask3]> SELECT EMP_FNAME , EMP_LNAME , EMP_DOB,
-> DATE_FORMAT(EMP_DOB,'%b') AS MONTH
-> FROM EMPLOYEE
-> WHERE month(EMP_DOB) = '11';
+-----+-----+-----+-----+
| EMP_FNAME | EMP_LNAME | EMP_DOB   | MONTH |
+-----+-----+-----+-----+
| Arif      | Arshad   | 1969-11-14 | Nov   |
| Enrica    | Denver   | 1980-11-08 | Nov   |
+-----+-----+-----+-----+
2 rows in set (0.001 sec)

MariaDB [labtask3]>
```

TASK5:

```
MariaDB [labtask3]> SELECT DATEDIFF('2008-12-25','2008-01-01');
+-----+
| DATEDIFF('2008-12-25','2008-01-01') |
+-----+
| 359 |
+-----+
1 row in set (0.000 sec)

MariaDB [labtask3]> SELECT DATEDIFF('2021-04-10','2009-12-25');
+-----+
| DATEDIFF('2021-04-10','2009-12-25') |
+-----+
| 4124 |
+-----+
1 row in set (0.000 sec)
```

TASK6:

```
MariaDB [labtask3]> SELECT EMP_FNAME , EMP_LNAME , EMP_HIRE_DATE,  
-> ADDDATE(EMP_HIRE_DATE,INTERVAL 12 MONTH) AS "FIRST APPRAISAL"  
-> FROM EMPLOYEE;
```

EMP_FNAME	EMP_LNAME	EMP_HIRE_DATE	FIRST APPRAISAL
Emma	Calderdale	1992-03-15	1993-03-15
Marshel	Ricardo	1996-04-25	1997-04-25
Arif	Arshad	1990-12-20	1991-12-20
Anne	Roberts	1994-08-16	1995-08-16
Enrica	Denver	2001-10-20	2002-10-20
Mirrelle	Namowa	2006-11-08	2007-11-08
Gemma	Smith	1989-01-05	1990-01-05

7 rows in set (0.002 sec)

TASK7:

```
MariaDB [labtask3]> SELECT *  
-> FROM SALES  
-> WHERE SALE_DATE >= LAST_DAY(SALE_DATE)-20;
```

TRANSACTION_NO	PARK_CODE	SALE_DATE
12781	FR1001	2007-05-18
12782	FR1001	2007-05-18
12783	FR1001	2007-05-18
12784	FR1001	2007-05-18
12785	FR1001	2007-05-18
12786	FR1001	2007-05-18
34534	UK3452	2007-05-18
34535	UK3452	2007-05-18
34536	UK3452	2007-05-18
34537	UK3452	2007-05-18
34538	UK3452	2007-05-18
34539	UK3452	2007-05-18
34540	UK3452	2007-05-18
34541	UK3452	2007-05-18
67589	ZA1342	2007-05-18
67590	ZA1342	2007-05-18
67591	ZA1342	2007-05-18
67592	ZA1342	2007-05-18
67593	ZA1342	2007-05-18

19 rows in set (0.001 sec)

TASK8:

IN THIS TASK WE ARE TAKING THE MOD OF LINE PRICE BY THE RATIO OF 10
ON BACK-END IT DIVIDE THE LINE_PRICE BY 10 AND DISPLAY ITS REMAINDER.

```
MariaDB [labtask3]> SELECT TRANSACTION_NO, LINE_PRICE, MOD(LINE_PRICE, 10)
-> FROM SALES_LINE
-> WHERE LINE_QTY > 2;
```

TRANSACTION_NO	LINE_PRICE	MOD(LINE_PRICE, 10)
12785	139.96	9.96
34534	168.40	8.40
34540	168.40	8.40
67592	114.68	4.68

```
4 rows in set (0.001 sec)
```

EX 1:

```
MariaDB [labtask3]> CREATE VIEW EMPFR AS
-> SELECT *
-> FROM EMPLOYEE
-> WHERE EMP_NUM=101;
Query OK, 0 rows affected (0.016 sec)

MariaDB [labtask3]> SELECT * FROM EMPFR;
```

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
101	Ms	Ricardo	Marshel	1978-03-19	1996-04-25	0181	324-4472	UK3452

```
1 row in set (0.001 sec)

MariaDB [labtask3]> UPDATE EMPFR SET PARK_CODE='FR1001';
Query OK, 1 row affected (0.009 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [labtask3]> SELECT * FROM EMPFR;
```

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
101	Ms	Ricardo	Marshel	1978-03-19	1996-04-25	0181	324-4472	FR1001

```
1 row in set (0.000 sec)

MariaDB [labtask3]>
```

EX 2:

```
MariaDB [labtask3]> SELECT * FROM EMPFR;
```

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9652	FR1001

```
1 row in set (0.001 sec)
```

```
MariaDB [labtask3]> UPDATE EMPFR SET EMP_PHONE="324-1111";
Query OK, 1 row affected (0.006 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [labtask3]> SELECT * FROM EMPFR;
```

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-1111	FR1001

```
1 row in set (0.001 sec)
```

```
MariaDB [labtask3]> DROP VIEW EMPFR;
Query OK, 0 rows affected (0.001 sec)
```

```
MariaDB [labtask3]> SELECT * FROM EMPFR;
ERROR 1146 (42S02): Table 'labtask3.empfr' doesn't exist
MariaDB [labtask3]>
```

EX 3:

```
MariaDB [labtask3]> CREATE VIEW TPARKSOLD AS SELECT DISTINCT PARK_CODE , PARK_NAME , PARK_CITY , PARK_COUNTRY FROM THEME
PARK NATURAL JOIN SALES;
Query OK, 0 rows affected (0.017 sec)
```

```
MariaDB [labtask3]> SELECT * FROM TPARKSOLD;
```

PARK_CODE	PARK_NAME	PARK_CITY	PARK_COUNTRY
FR1001	FairyLand	PARIS	FR
UK3452	PleasureLand	STOKE	UK
ZA1342	GoldTown	JOHANNESBURG	ZA

```
3 rows in set (0.001 sec)
```

```
MariaDB [labtask3]> DESCRIBE TPARKSOLD;
```

Field	Type	Null	Key	Default	Extra
PARK_CODE	varchar(10)	NO		NULL	
PARK_NAME	varchar(35)	NO		NULL	
PARK_CITY	varchar(50)	NO		NULL	
PARK_COUNTRY	char(2)	NO		NULL	

```
4 rows in set (0.033 sec)
```

EX 4 :

```
MariaDB [labtask3]> CREATE VIEW EMP_DETAILS AS SELECT EMP_NUM , PARK_CODE , PARK_NAME , EMP_LNAME , EMP_FNAME , EMP_HIRE_DATE , EMP_DOB FROM EMPLOYEE NATURAL JOIN THEMEPARK WITH CHECK OPTION;
Query OK, 0 rows affected (0.015 sec)
```

```
MariaDB [labtask3]> DESCRIBE EMP_DETAILS;
```

Field	Type	Null	Key	Default	Extra
EMP_NUM	decimal(4,0)	NO		NULL	
PARK_CODE	varchar(10)	YES		NULL	
PARK_NAME	varchar(35)	NO		NULL	
EMP_LNAME	varchar(15)	NO		NULL	
EMP_FNAME	varchar(15)	NO		NULL	
EMP_HIRE_DATE	date	YES		NULL	
EMP_DOB	date	NO		NULL	

```
7 rows in set (0.033 sec)
```

```
MariaDB [labtask3]> SELECT * FROM EMP_DETAILS;
```

EMP_NUM	PARK_CODE	PARK_NAME	EMP_LNAME	EMP_FNAME	EMP_HIRE_DATE	EMP_DOB
100	FR1001	FairyLand	Calderdale	Emma	1992-03-15	1972-06-15
101	FR1001	FairyLand	Ricardo	Marshel	1996-04-25	1978-03-19
102	FR1001	FairyLand	Arshad	Arif	1990-12-20	1969-11-14
103	UK3452	PleasureLand	Roberts	Anne	1994-08-16	1974-10-16
104	ZA1342	GoldTown	Denver	Enrica	2001-10-20	1980-11-08
105	FR1001	FairyLand	Namowa	Mirrelle	2006-11-08	1990-03-14
106	ZA1342	GoldTown	Smith	Gemma	1989-01-05	1968-02-12

```
7 rows in set (0.000 sec)
```

EX 5:

```
MariaDB [labtask3]> SELECT EMP_FNAME , EMP_LNAME , PARK_NAME FROM EMP_DETAILS;
```

EMP_FNAME	EMP_LNAME	PARK_NAME
Emma	Calderdale	FairyLand
Marshel	Ricardo	FairyLand
Arif	Arshad	FairyLand
Anne	Roberts	PleasureLand
Enrica	Denver	GoldTown
Mirrelle	Namowa	FairyLand
Gemma	Smith	GoldTown

```
7 rows in set (0.001 sec)
```

EX 6:

```
MariaDB [labtask3]> create view tick_sales as select park_name , min(line_price) as min_line_price , max(line_price) as  
max_line_price , avg(line_price) as avg_line_price from themepark natural join sales natural join sales_line group by p  
ark_code;  
Query OK, 0 rows affected (0.021 sec)  
  
MariaDB [labtask3]> select park_name , min_line_price , max_line_price from tick_sales;  
+-----+-----+-----+  
| park_name | min_line_price | max_line_price |  
+-----+-----+-----+  
| FairyLand | 14.99 | 139.96 |  
| PleasureLand | 21.98 | 168.40 |  
| GoldTown | 12.12 | 114.68 |  
+-----+-----+-----+  
3 rows in set (0.002 sec)
```

EX 7:

```
MariaDB [labtask3]> SELECT DISTINCT (DATE_FORMAT(SALE_DATE , '%a - %e - %m - %y')) from sales;  
+-----+  
| (DATE_FORMAT(SALE_DATE , '%a - %e - %m - %y')) |  
+-----+  
| Fri - 18 - 05 - 07 |  
+-----+  
1 row in set (0.000 sec)
```

EX 8:

```
MariaDB [labtask3]> select emp_fname , emp_lname , concat(date_format(emp_dob,'%m'),date_format(date_add(date_add(last_  
day(emp_dob),interval 1 day),interval -1 month),'%d'),upper(substr(emp_lname,1,6))) as User_id from employee;  
+-----+-----+-----+  
| emp_fname | emp_lname | User_id |  
+-----+-----+-----+  
| Emma | Calderdale | 0601CALDER |  
| Marshel | Ricardo | 0301RICARD |  
| Arif | Arshad | 1101ARSHAD |  
| Anne | Roberts | 1001ROBERT |  
| Enrica | Denver | 1101DENVER |  
| Mirrelle | Namowa | 0301NAMOWA |  
| Gemma | Smith | 0201SMITH |  
+-----+-----+-----+  
7 rows in set (0.001 sec)
```

EX 9:

```
MariaDB [labtask3]> select emp_fname , emp_dob from employee where day(emp_dob)=14;  
+-----+-----+  
| emp_fname | emp_dob |  
+-----+-----+  
| Arif | 1969-11-14 |  
| Mirrelle | 1990-03-14 |  
+-----+-----+  
2 rows in set (0.000 sec)
```


EX 10:

```
MariaDB [labtask3]> select concat(substr(emp_phone,1,3),lower(substr(emp_fname,1,2))) as "USER PASSWORD " from employee;
```

USER PASSWORD
324em
324ma
675ar
898an
504en
890mi
324ge

```
7 rows in set (0.000 sec)
```


CLASS NAME

Lesson Notebook

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