**DATE AND TIME FUNCTIONS:**

***Objective :***

To manipulate and query data based on date and time values.

***Queries :***

**create table Details(**

**name varchar(30),**

**date\_of\_birth datetime**

**);**

// Schema for Details

**insert into Details values**

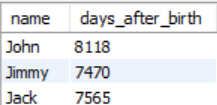
**("John","2003-01-01 07:00:00"),**

**("Jimmy","2004-10-10 11:20:00"),**

**("Jack","2004-07-07 09:45:00");**

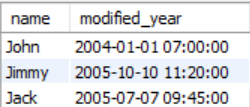
**select name, datediff(now(), Details.date\_of\_birth) as days\_after\_birth from Details;**

// Calculates the number of days between the current date and each person's date of birth.



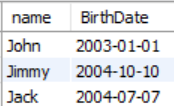
**select name, date\_add(date\_of\_birth, interval 1 year) as modified\_year from Details;**

// Adds one year to each person's date of birth and returns the updated date.



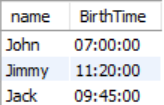
**select name, date(date\_of\_birth) as BirthDate from Details;**

// Extracts and returns only the date part from each person's date of birth.



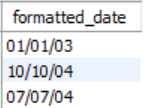
**select name, time(date\_of\_birth) as BirthDate from Details;**

// Extracts and returns only the time part from each person's date of birth.



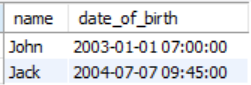
**select date\_format(date\_of\_birth, '%d/%m/%y') as formatted\_date from Details;**

// Formats the date\_of\_birth in DD/MM/YY format.



**select \* from Details where date\_of\_birth between '2003-01-01' and '2004-08-01';**

// Retrieves all records where the date of birth is between January 1, 2003, and August 1, 2004.



**select convert(date\_of\_birth, char) as birth\_date\_string from Details;**

// Converts the date of birth to a string format.

