

1) Create a User Defined Function for fiscal year.

```
CREATE DEFINER=`root`@`localhost` FUNCTION `get_fiscal_year`(  
    calendar_date DATE  
)  
    RETURNS INT  
    DETERMINISTIC  
  
BEGIN  
  
    DECLARE fiscal_year INT;  
    SET fiscal_year = YEAR(DATE_ADD(calendar_date, INTERVAL 4 MONTH));  
    RETURN fiscal_year;  
  
END
```

2) Create a User Defined Function for quarters.

```
CREATE DEFINER=`root`@`localhost` FUNCTION `get_fiscal_quarter`(  
    calendar_date DATE  
) RETURNS char(2) CHARSET utf8mb4  
    DETERMINISTIC  
  
BEGIN  
  
    DECLARE m INT;  
  
    DECLARE qtr CHAR(2);  
  
    SET m = MONTH(calendar_date);  
  
    CASE  
  
        WHEN m IN (9,10,11) THEN  
  
            SET qtr = "Q1";  
  
        WHEN m IN (12,1,2) THEN  
  
            SET qtr = "Q2";  
  
        WHEN m IN (3,4,5) THEN  
  
            SET qtr = "Q3";  
  
    END
```

ELSE SET

qtr = "Q4";

END CASE;

RETURN qtr;

END