

# S05-L02 Session variable

```
SET @var2 = 10;  
SELECT @var2 := IFNULL(@var2, 0) + 2;
```

```
SELECT @var3 := IFNULL(@var3, 0) + 2;
```

```
SET @var4 = (SELECT COUNT(*) FROM `sample_staff`.`employee`);  
SELECT @var4;
```

```
SELECT  
    `date`.`date`,  
    @day_of_week := DAYOFWEEK(date.date) AS day_of_week,  
    CASE  
        WHEN @day_of_week = 2 THEN "Thanks God It's Monday!"  
        ELSE "Good morning"  
    END AS welcome_message,  
    CASE  
        WHEN @day_of_week = 6 THEN "Have a great weekend!"  
        ELSE "Good bye"  
    END AS good_bye_message  
FROM `sample_staff`.`date`  
WHERE 1=1  
    AND `date`.`date` BETWEEN '2016-01-01' AND '2016-01-07'
```

Variable used in **WHERE** condition:

```
SET @employee_id = 10001;  
  
SELECT  
    `salary`.`id`,  
    `salary`.`employee_id`,  
    `salary`.`salary_amount`
```

## Practice advanced SQL with MySQL

```
FROM `sample_staff`.`salary`  
WHERE 1=1  
      AND `salary`.`employee_id` = @employee_id  
;
```

Create a dynamic **SELECT** query using multiple session variables.

```
-- Define the variables  
SET @employee_id = 10001;  
SET @columns = "employee_id, salary_amount";  
SET @table_name = "salary";  
  
-- Compose the query  
SET @select_query = CONCAT("SELECT id, ", @columns, " FROM ",  
                           @table_name, " WHERE employee_id = ", @employee_id);  
  
-- Prepare & execute  
PREPARE stmt FROM @select_query;  
EXECUTE stmt;
```