

# Скрипт - процедуры, триггеры.

-- Процедура, извлекает сумму продаж по заказам, по заданному периоду.

DELIMITER //

```
CREATE PROCEDURE date_total_orders (d1 DATE, d2 DATE)
BEGIN
    SELECT orders.created_at AS `date`,
    SUM(order_item.price) AS total_sales_day
    FROM orders
    JOIN order_item ON orders.id = order_item.order_id
    AND orders.created_at BETWEEN d1 AND d2
    GROUP BY orders.id
    ORDER BY orders.created_at;
END//
```

DELIMITER ;

```
CALL date_total_orders('2018-01-01', '2018-12-31');
```

-- Процедура, выводит количество заказов на доставку, по дням недели.

DELIMITER //

```
CREATE PROCEDURE days_delivery(d1 DATE, d2 DATE)
BEGIN
    SELECT SUM(mom) AS monday,
    SUM(tue) AS tuesday,
    SUM(wed) AS wednesday,
    SUM(thu) AS thursday,
    SUM(fri) AS friday,
    SUM(sat) AS saturday,
    SUM(sun) AS sunday
    FROM delivery_schedule
    WHERE created_at BETWEEN d1 AND d2;
END//
```

DELIMITER ;

```
CALL days_delivery('2018-01-01', '2018-12-31');
```

-- Процедура, извлекает сумму остатков товара по складам.

DELIMITER //

```
CREATE PROCEDURE leftovers_in_warehouses()
BEGIN
    SELECT stores.name AS name,
    SUM(remains.total_item_count) AS total_item_count
    FROM remains
    JOIN stores ON stores.id = remains.store_id
    GROUP BY remains.store_id
    ORDER BY name;
END//
```

DELIMITER ;

CALL leftovers\_in\_warehouses();

-- Процедура для вставки значений в таблицу brands.

-- С запретом на вставку, с пустыми значениями.

DELIMITER //

```
CREATE PROCEDURE insert_to_brands(IN id INT(11), IN name VARCHAR(255))
BEGIN
    DECLARE CONTINUE HANDLER FOR SQLSTATE '23000' SET @error = 'insertion
error';
    INSERT INTO brands VALUES(id, name);
    IF @error IS NOT NULL THEN
        SELECT @error;
    END IF;
END//
```

DELIMITER ;

-- Триггер, для подсчета, количества подписчиков.

DELIMITER //

```
CREATE TRIGGER total_email_agreed_for_marketing AFTER INSERT ON users
FOR EACH ROW
BEGIN
    SELECT SUM(email_agreed_for_marketing) INTO
    @total_number_of_subscribers FROM users;
END//
```

DELIMITER ;

```
SELECT @total_number_of_subscribers;
```

-- Триггер, для запрета пустых полей при регистрации и обновление профиля на сайте.

DELIMITER //

```
CREATE TRIGGER validate_users_insert BEFORE INSERT ON users
FOR EACH ROW BEGIN
    IF NEW.first_name IS NULL AND
    NEW.last_name IS NULL AND
    NEW.phone IS NULL AND
    NEW.email IS NULL THEN
        SIGNAL SQLSTATE '45000'
        SET MESSAGE_TEXT = 'Both user first name, last name, phone and
email are NULL';
    END IF;
END//
```

DELIMITER ;

DELIMITER //

```
CREATE TRIGGER validate_users_update BEFORE UPDATE ON users
FOR EACH ROW BEGIN
    IF NEW.first_name IS NULL AND
    NEW.last_name IS NULL AND
    NEW.phone IS NULL AND
    NEW.email IS NULL THEN
        SIGNAL SQLSTATE '45000'
        SET MESSAGE_TEXT = 'Both user first name, last name, phone and
email are NULL';
    END IF;
END//
```

DELIMITER ;