

```
DELIMITER $$
      CREATE FUNCTION function_name(parameter data_type) RETURNS data_type
SQL
      DECLARE variable_name data_type
      BEGIN
          SELECT ...
      RETURN variable_name
      END$$
      DELIMITER;
```

```
DELIMITER $$
      CREATE FUNCTION function_name(<u>parameter</u> data_type) RETURNS data_type
SQL
      DECLARE variable_name data_type
      BEGIN
                                        here you have no OUT parameters to
                                        define between the parentheses after
           SELECT ...
                                        the object's name
      RETURN variable_name
      END$$
      DELIMITER;
```

```
DELIMITER $$
      CREATE FUNCTION function_name(<u>parameter</u> data_type) RETURNS data_type
SQL
      DECLARE variable_name data_type
      BEGIN
                                         here you have no OUT parameters to
                                         define between the parentheses after
           SELECT ...
                                         the object's name
      RETURN variable_name
                                         all parameters are IN, and since this
                                         is well known, you need not explicitly
      END$$
                                         indicate it with the word, 'IN'
      DELIMITER;
```

```
DELIMITER $$
      CREATE FUNCTION function_name(<u>parameter</u> data_type) RETURNS data_type
SQL
      DECLARE variable_name data_type
      BEGIN
                                         although there are no OUT
          SELECT ...
                                         parameters, there is a
                                          'return value'
      RETURN variable_name
      END$$
      DELIMITER;
```

```
DELIMITER $$
      CREATE FUNCTION function_name(<u>parameter</u> data_type) RETURNS data_type
SQL
      DECLARE variable_name data_type
      BEGIN
                                         although there are no OUT
          SELECT ...
                                         parameters, there is a
                                         'return value'
      RETURN variable_name
                                         it is obtained after running the
      END$$
                                         query contained in the body of
      DELIMITER;
                                         the function
```

```
DELIMITER $$
      CREATE FUNCTION function_name(<u>parameter</u> data_type) RETURNS data_type
SQL
      DECLARE variable_name data_type
      BEGIN
                                                  it can be of any data type
           SELECT ...
      RETURN variable_name
      END$$
      DELIMITER;
```

we cannot call a function!

we cannot call a function!
we can select it, indicating an input value within parentheses

we cannot call a function!
we can select it, indicating an input value within parentheses



SELECT function\_name(input\_value);