General

▶ Create the a single .sql file that contains the solutions to the tasks on the following slides.

Task 1

▶ Create the function **stringToWords** that accepts any String composed of 5 words and returns a JSON array containing each word in the String (words are separated by a single space).

```sql
SELECT stringToWords('This is Lazrus Group 12') AS MSG;
```

```
+-----------------------------------------+
| MSG                                     |
+-----------------------------------------+
| ["This", "is", "Lazrus", "Group", "12"] |
+-----------------------------------------+
```

Task 2

- Create the function **wordsToCharacters** that accepts a single String (word) and returns a JSON array containing each symbol in the word.

```
SELECT wordToCharacters('This') AS MSG;
```

```
+------------------------+
| MSG                    |
+------------------------+
| ["T", "h", "i", "s"]   |
+------------------------+
```

Task 3

▶ Create the function **charactersToASCII** that accepts a JSON array of characters and returns a JSON array containing the ASCII code of each symbol.

```
SELECT charactersToASCII(JSON_ARRAY('T','h','i','s')) AS MSG;
```

```
+-----------------------+
| MSG                   |
+-----------------------+
| [84, 104, 105, 115]   |
+-----------------------+
```

Task 4

▶ Create the function **ASCII_ToCypher** that accepts a JSON array of ASCII codes and returns a String (TEXT) containing the concatenated ASCII codes separated by a "-" with values in reverse order.

```
SELECT ASCII_ToCypher(JSON_ARRAY(84,104,105,115)) AS MSG;
```

```
+------------------+
| MSG              |
+------------------+
| 511-501-401-48   |
+------------------+
```

Task 5

► Create the function **CypherToValue** that accepts a String (TEXT) of hyphen-separated values and returns the sum of the values in the String if the values were reversed.

```
SELECT CountValues('511-501-401-48') AS MSG;
```

```
+-------+
| MSG   |
+-------+
|   408 |
+-------+
```