# SQL Stored procedure

2. Create a stored procedure that brings up the data grouped by income

```
[mysql> DELIMITER $$
mysql> CREATE PROCEDURE getdata() BEGIN SELECT SUM(deaths), AVG(obesity), class
FROM healthdata GROUP BY class; END $$
Query OK, 0 rows affected (0.01 sec)

[mysql> DELIMITER ;
[mysql> CALL getdata;
+-------------+-------------+---------------------+
| SUM(deaths) | AVG(obesity) | class              |
+-------------+-------------+---------------------+
|     2507384 |   24.203571 | High income         |
|       47317 |    8.251852 | Low income          |
|     1308880 |   16.050943 | Lower middle income |
|     2450875 |   24.410204 | Upper middle income |
+-------------+-------------+---------------------+
4 rows in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```
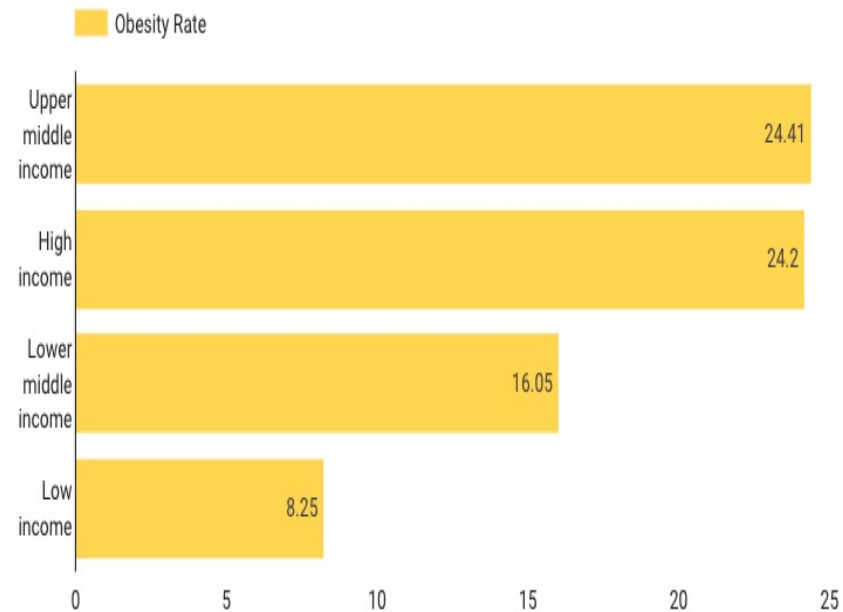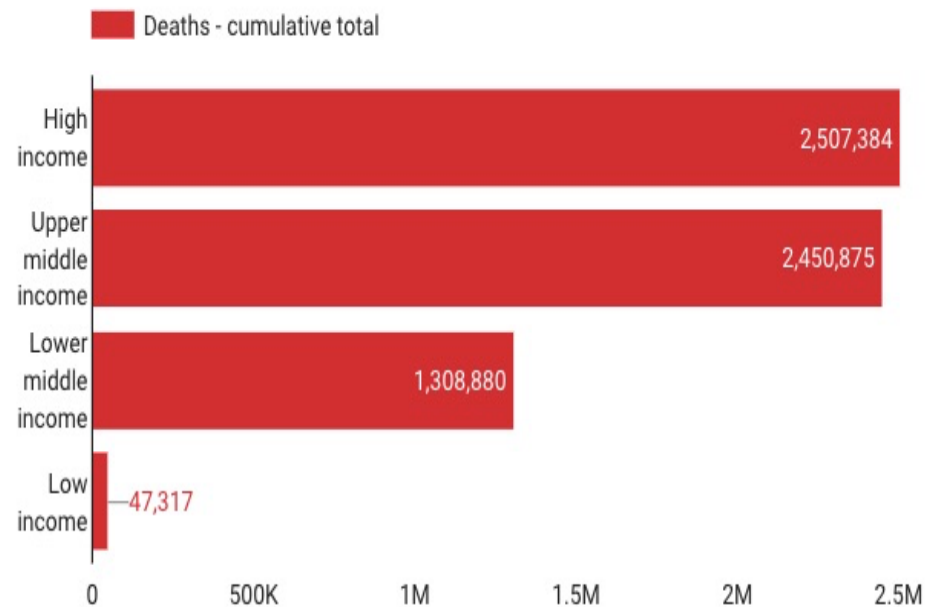
**Deaths - cumulative total**

| Class | Deaths |
|-------|--------|
| High income | 2,507,384 |
| Upper middle income | 2,450,875 |
| Lower middle income | 1,308,880 |
| Low income | 47,317 |

**Obesity Rate**

| Class | Obesity Rate |
|-------|--------------|
| Upper middle income | 24.41 |
| High income | 24.2 |
| Lower middle income | 16.05 |
| Low income | 8.25 |

```
[mysql> DELIMITER $$
mysql> CREATE PROCEDURE getclassdata(in incomeclass VARCHAR(255)) BEGIN SELECT
SUM(deaths), AVG(obesity), class FROM healthdata h WHERE h.class=incomeclass; EN
D $$
ERROR 1304 (42000): PROCEDURE getclassdata already exists
[mysql> DELIMITER ;
[mysql> CALL getclassdata('Low income')
[    -> ;
+-------------+---------------+-------------+
| SUM(deaths) | AVG(obesity)  | class       |
+-------------+---------------+-------------+
|       47317 |      8.251852 | Low income  |
+-------------+---------------+-------------+
1 row in set (0.02 sec)

Query OK, 0 rows affected (0.02 sec)

[mysql> CALL getclassdata('Upper middle income')
[    -> ;
+-------------+---------------+----------------------+
| SUM(deaths) | AVG(obesity)  | class                |
+-------------+---------------+----------------------+
|     2450875 |     24.410204 | Upper middle income  |
+-------------+---------------+----------------------+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

mysql> ▊
```