SELECT basics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| world | | | | |
| **name** | **continent** | **area** | **population** | **gdp** |
| Afghanistan | Asia | 652230 | 25500100 | 20343000000 |
| Albania | Europe | 28748 | 2831741 | 12960000000 |
| Algeria | Africa | 2381741 | 37100000 | 188681000000 |
| Andorra | Europe | 468 | 78115 | 3712000000 |
| Angola | Africa | 1246700 | 20609294 | 100990000000 |
| .... | | | | |

SELECT from WORLD Tutorial

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **name** | **continent** | **area** | **population** | **gdp** |
| Afghanistan | Asia | 652230 | 25500100 | 20343000000 |
| Albania | Europe | 28748 | 2831741 | 12960000000 |
| Algeria | Africa | 2381741 | 37100000 | 188681000000 |
| Andorra | Europe | 468 | 78115 | 3712000000 |
| Angola | Africa | 1246700 | 20609294 | 100990000000 |
| ... | | | | |

SELECT from Nobel Tutorial

|  |  |  |
| --- | --- | --- |
| nobel | | |
| **yr** | **subject** | **winner** |
| 1960 | Chemistry | Willard F. Libby |
| 1960 | Literature | Saint-John Perse |
| 1960 | Medicine | Sir Frank Macfarlane Burnet |
| 1960 | Medicine | Peter Madawar |
| ... | | |

SELECT within SELECT Tutorial

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **name** | **continent** | **area** | **population** | **gdp** |
| Afghanistan | Asia | 652230 | 25500100 | 20343000000 |
| Albania | Europe | 28748 | 2831741 | 12960000000 |
| Algeria | Africa | 2381741 | 37100000 | 188681000000 |
| Andorra | Europe | 468 | 78115 | 3712000000 |
| Angola | Africa | 1246700 | 20609294 | 100990000000 |
| ... | | | | |

SUM and COUNT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **name** | **continent** | **area** | **population** | **gdp** |
| Afghanistan | Asia | 652230 | 25500100 | 20343000000 |
| Albania | Europe | 28748 | 2831741 | 12960000000 |
| Algeria | Africa | 2381741 | 37100000 | 188681000000 |
| Andorra | Europe | 468 | 78115 | 3712000000 |
| Angola | Africa | 1246700 | 20609294 | 100990000000 |
| ... | | | | |

The JOIN operation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| game | | | | |
| **id** | **mdate** | **stadium** | **team1** | **team2** |
| 1001 | 8 June 2012 | National Stadium, Warsaw | POL | GRE |
| 1002 | 8 June 2012 | Stadion Miejski (Wroclaw) | RUS | CZE |
| 1003 | 12 June 2012 | Stadion Miejski (Wroclaw) | GRE | CZE |
| 1004 | 12 June 2012 | National Stadium, Warsaw | POL | RUS |
| ... | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| goal | | | |
| **matchid** | **teamid** | **player** | **gtime** |
| 1001 | POL | Robert Lewandowski | 17 |
| 1001 | GRE | Dimitris Salpingidis | 51 |
| 1002 | RUS | Alan Dzagoev | 15 |
| 1002 | RUS | Roman Pavlyuchenko | 82 |
| ... | | | |

|  |  |  |
| --- | --- | --- |
| eteam | | |
| **id** | **teamname** | **coach** |
| POL | Poland | Franciszek Smuda |
| RUS | Russia | Dick Advocaat |
| CZE | Czech Republic | Michal Bilek |
| GRE | Greece | Fernando Santos |
| ... | | |

More JOIN operations

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| movie | | | | | |
| **id** | title | yr | *director* | budget | gross |

|  |  |
| --- | --- |
| actor | |
| **id** | name |

|  |  |  |
| --- | --- | --- |
| casting | | |
| ***movieid*** | ***actorid*** | **ord** |

Using NULL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| teacher | | | | |
| **id** | **dept** | **name** | **phone** | **mobile** |
| 101 | 1 | Shrivell | 2753 | 07986 555 1234 |
| 102 | 1 | Throd | 2754 | 07122 555 1920 |
| 103 | 1 | Splint | 2293 |  |
| 104 |  | Spiregrain | 3287 |  |
| 105 | 2 | Cutflower | 3212 | 07996 555 6574 |
| 106 |  | Deadyawn | 3345 |  |
| ... | | | | |

|  |  |
| --- | --- |
| dept | |
| **id** | **name** |
| 1 | Computing |
| 2 | Design |
| 3 | Engineering |
| ... | |

Self JOIN

|  |
| --- |
| **stops** |
| *id* |
| name |

|  |
| --- |
| **route** |
| *num* |
| *company* |
| *pos* |
| stop |