## Most popular items

In [8]:
```
gl.canvas.set_target('ipynb')
sf['ItemDescription'].show()
```

**Most frequent items from *<SArray>***

| Value | Count | Percent |
|---|---|---|
| 4 VOLLEY SHORT | 1.995 | 0,994% |
| 5 VOLLEY SHORT | 1.655 | 0,824% |
| SQUAD 17 SHO | 1.250 | 0,623% |
| NIKE STAR RUNNER ... | 1.165 | 0,58% |
| BRIEF | 973 | 0,485% |
| CHUCK TAYLOR ALL ... | 964 | 0,48% |
| CHUCK TAYLOR ALL ... | 940 | 0,468% |
| NIKE STAR RUNNER ... | 902 | 0,449% |
| CHUCK TAYLOR ALL ... | 873 | 0,435% |
| NIKE TANJUN (GS) | 872 | 0,434% |
| NIKE STAR RUNNER ... | 838 | 0,417% |
| NK MERC LT GRD | 794 | 0,395% |
| NIKE REVOLUTION 4 ... | 760 | 0,379% |
| NIKE TANJUN | 691 | 0,344% |
| NIKE REVOLUTION 4 ... | 680 | 0,339% |
| NIKE DOWNSHIFTER 8 | 674 | 0,336% |
| NIKE COURT BOROUGH ... | 673 | 0,335% |
| NIKE AIR MAX AXIS ... | 632 | 0,315% |
| JDB RISE GRAPHIC ... | 632 | 0,315% |
| WMNS NIKE TANJUN | 628 | 0,313% |

## Showing the most popular products in the dataset

In [8]:
```
product_grouped = product_df.groupby(['product']).agg({'purchase_count': 'count'}).reset_ind
grouped_sum = product_grouped['purchase_count'].sum()
product_grouped['percentage']  = product_grouped['purchase_count'].div(grouped_sum)*100
product_grouped.sort_values(['purchase_count', 'product'], ascending = [0,1])
```

Out[8]:

| | product | purchase_count | percentage |
|---|---|---|---|
| **250** | 4 VOLLEY SHORT | 1995 | 0.993704 |
| **261** | 5 VOLLEY SHORT | 1655 | 0.824351 |
| **7233** | SQUAD 17 SHO | 1250 | 0.622622 |
| **5785** | NIKE STAR RUNNER (PSV) | 1165 | 0.580283 |
| **1023** | BRIEF | 973 | 0.484649 |
| **1211** | CHUCK TAYLOR ALL STAR - HI - O | 964 | 0.480166 |
| **1203** | CHUCK TAYLOR ALL STAR - HI - B | 940 | 0.468211 |
| **5786** | NIKE STAR RUNNER (TDV) | 902 | 0.449284 |
| **1247** | CHUCK TAYLOR ALL STAR LIFT - O | 873 | 0.434839 |
| **5823** | NIKE TANJUN (GS) | 872 | 0.434341 |
| **5784** | NIKE STAR RUNNER (GS) | 838 | 0.417406 |
| **6039** | NK MERC LT GRD | 794 | 0.395489 |
| **5726** | NIKE REVOLUTION 4 EU | 760 | 0.378554 |
| **5822** | NIKE TANJUN | 691 | 0.344185 |
| **5724** | NIKE REVOLUTION 4 (PSV) | 680 | 0.338706 |
| **5408** | NIKE DOWNSHIFTER 8 | 674 | 0.335718 |
| **5353** | NIKE COURT BOROUGH MID (GS) | 673 | 0.335219 |
| **3134** | JDB RISE GRAPHIC SHORT | 632 | 0.314797 |