IPyTables

November 11, 2014

In [1]:
```
from ipytables import Table, TableRow, TableCell, TableHeaderRow
```

In [2]:
```
# The simple case is easy
Table((4, 1, 8),
      (9, 7, 3),
      (5, 2, 6))
```

Out[2]:

4	1	8
9	7	3
5	2	6

In [3]:
```
# With a header
Table(TableHeaderRow('a','b','c'),
      (1,  2,  3),
      (2,  4,  6),
     )
```

Out[3]:

a	b	c
1	2	3
2	4	6

In [4]:
```
# Computing values
t = Table(TableHeaderRow('number', 'square', 'cube'))
for x in range(1, 11):
    t.append_row((x, x**2, x**3))
t
```

Out[4]:

number	square	cube
1	1	1
2	4	8
3	9	27
4	16	64
5	25	125
6	36	216
7	49	343
8	64	512
9	81	729
10	100	1000

In [5]:
```
# Styling determined by code
t = Table(TableHeaderRow('divisions', 'result'))
num = 55
```

```
        for x in range(7):
            if num < 1:
                resultcell = TableCell(num, bg_colour='DarkBlue', text_colour='white')
            else:
                resultcell = TableCell(num)
            t.append_row((x, resultcell))
            num /= 3
        t
```

Out[5]:

divisions	result
0	55
1	18
2	6
3	2
4	0
5	0
6	0

In [5]: