

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]: