

**Problem** Write a function which takes a list as argument and returns a list of the same length containing all zeroes.

Here is a sample run (I have named the function *zeroes*).

```
Main> zeroes [3,7,0,24,8]
      [0,0,0,0,0]
Main> zeroes ['m','i','s','r']
      [0,0,0,0]
```

**Solution**

```
zeroes [] = []
zeroes (x:xs) = (0):(zeroes xs)
```