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 \texttt{zeroes}).

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

Solution

\begin{verbatim}
zeroes [] = []
zeroes (x:xs) = (0): (zeroes xs)
\end{verbatim}