A **n** 32-bit data is stored starting from memory location **_dat1._** Write an ALP that will convert every $m^{th}$ double word from little endian to big endian format **(only the $m^{th}$ double word should be converted)**. The value of m can range between 2 to 9 and is stored in location **_off1._** The value of n is between $10_d$ to $120_d$ and is stored in location **_cnt1. [The size n need not be a multiple of m]_**

The value of **m** is to be provided by the user via the keyboard. In order to take in the user input. The program should first display the following string **"Enter the value of m"**. The user will then enter the value using the keyboard. Once the conversion has been completed it should display **"Conversion Completed"** on the next line.