

```
//example 14.2//
clc
//clears the screen//
clear
//clears all existing variables//
disp('We know that MSB of straight binary number
is same as MSB of the Gray code equivalent. This
can be passed on as such to the output. In that
case, each memory location of the ROM needs to
store only a three bit data as the fourth bit is
available as such from the input. The required
size of ROM is therefore 16*3. The three bit
data to be programmed into 16 different memory
locations of the ROM corresponding to address
inputs of 0000 to 1111 in the same order would
be 000, 001, 011, 010, 110, 111, 101, 100, 101,
111, 110, 010, 011, 001, and 000.')
```