```
J<sup>*</sup>Proj_1A_LED_display
/***************Version 1*********************************/
                                    //The "main" routine lies between a pair of {} brackets.
int main (void){
setup_HW;
                                    //Code between the {} brackets is repeated 16 times //as m increments from 1 to 16 \, (m++ is shorthand for increment m)
for(int m = 1; m < 17; m++){
   I2C_Tx_2_integers(PORT_1, PORT_1);
   Timer_TO_10mS_delay_x_m(6);
PORT_1 = PORT_1 << 1;
}SW_reset;
                                     //This subroutine generates a 10ms delay that is repeated 6 times //The contents of address "PORT_I" are shifted one place left //every time that the "for-loop" is executed
//Start of comment section which is ignored by compiler
                                    //start of main routine
                                     //While loop starts here //In the absence of a "SW_reset", "PORT_1" mast be re-initialised every time the loop is repeated //for loop starts here
                                    //All loops including main end here //End of comment section
```