Cameron Neville

Embedded Systems EEEE-420

Lab 4

The FillDown program was modified in assembly to fill down by filling the array with 0x10 at first, then subtracting the index from each element. The C code calculated the value of each element because the algebra is simpler. The FillRows program set a fill value that updated at each row. This code had to check which row the code of moving to and set a specific value. The multiplier worked by shifting each operand in opposite directions, which is equivalent to long multiplication.