REQUIREMENTS:

The program is designed to act like a “handheld calculator” with the usual standard functions (add, subtract, multiply, divide, exponentiation, and memory).

The program shall be written in standard C, as compiled by the visual studio code C compiler . The program shall use only standard C library functions. The program shall be usable on any system which supports the compiler, and shall not require any particular hardware or software.

The program shall operate as much as possible in the same way as a regular handheld calculator, such that anyone familiar with the operation of such a device should have little trouble using the programme.

On encountering a division by 0 the display should read "Cannot divide by 0" and typing the key “C” should reset the calculator. On calculating the square root value of a negative operand the display should read "Wrong operand".