

Lab/Experiment No. 3

Aim: WRITE A PROGRAM USING 8085 & VERIFY FOR:

1. MULTIPLICATION OF TWO 8-BIT NUMBERS.
2. MULTIPLICATION OF TWO 16-BIT NUMBERS.
3. DIVISION OF A 8-BIT NUMBER BY ANOTHER 8 BIT NUMBER.
4. TO FIND THE SQUARE OF AN 8-BIT NUMBER.
5. TO FIND THE SQUARE OF AN 8-BIT NUMBER USING LOOKUP TABLE.
6. TO FIND THE SQUARE ROOT OF AN 8-BIT NUMBER.
7. TO PRINT THE MULTIPLICATION TABLE OF INPUT 8-BIT NUMBER IN DECIMAL FORM.

Please write the ALP and memory table to solve the above problems and bring them to the lab session.