Write a program to read data from 01AH and 01BH, multiply the values and save the result in memory location 01CH and 01DH.

|  |  |
| --- | --- |
| LOAD O1AH | ; AC IS LOADED WITH DATA READ FROM O1AH |
| ADD 01BH | ; [AC]= [AC] + M[01BH] |
| STOR 01CH | ; CONTENT OF AC IS SVAED INTO MEMORY LOCATION 01CH |
|  |  |
|  |  |
| LOAD MQ, 01AH | ; LOAD MULTIPLIER INTO MQ REGISTER |
| MUL 01BH | ;MULTIPLY MQ BY M[01BH] AND THEN MOST SIGNIFICANT 40 BITS ARE SAVED IN AC, LEAST SIGNIFICANT 40 BITS ARE SAVED IN MQ BY DEFAULT |
| STOR 01DH | ; STORE AC INTO MEMORY |
| LOAD MQ | ; LOAD MQ INTO AC |
| STOR 01CH | ; STORE AC INTO MEMORY |

Write a program to read data from 01AH (data-1) and 01BH (data-2), perform DIVISION ( data1 by data2) and save the results in memory location 01CH(quotient) and 01DH(remainder, if any).

|  |  |
| --- | --- |
| LOAD 01AH | ; DIVIDEN IS LOADED INTO AC |
| DIV 01BH | ; AC IS DIVIDED BY M[01BH]  ; QUOTIENT IS SAVED INTO MQ  ; REMAINDER IS SAVED IN AC |
| STOR 01DH |  |
| LOAD MQ |  |
| STOR 01CH |  |
|  |  |
|  |  |
|  |  |

FIND THE AVERAGE OF 3 NUMBERS; NUMBERS ARE SAVED INTO 01AH, 01BH AND 01CH RESPECTIVELY. SAVE THE AVERAGE IN 01DH.