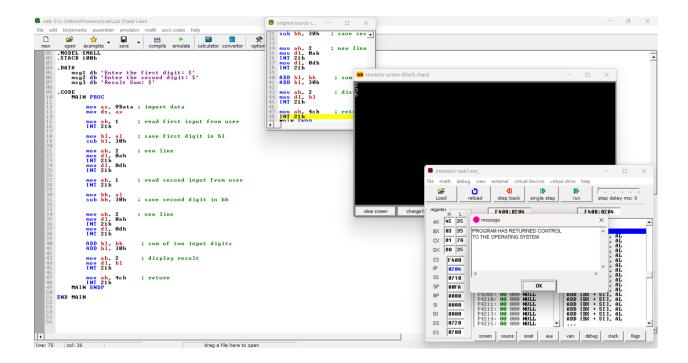
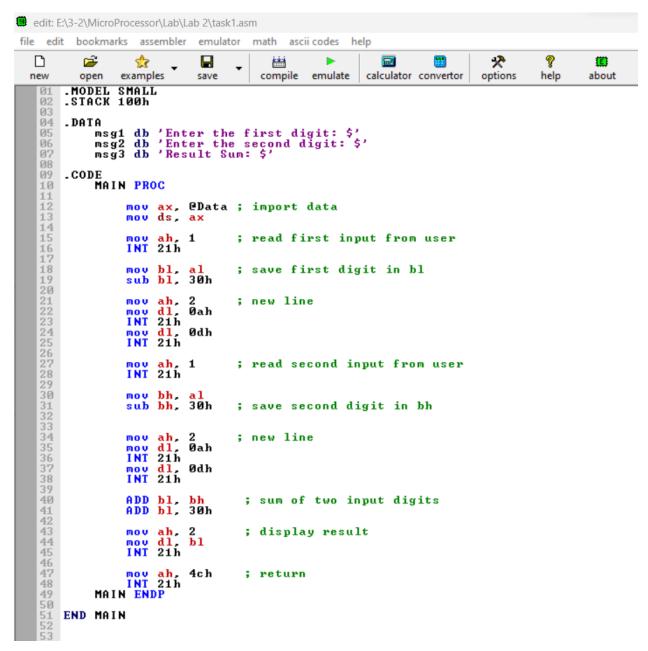
Task 1

Write an Assembly Language Program (ALP) to read two decimal digits both of which are less than 5 and display their summation in the next line.





Taking first input from the user and saving it in the bl register.

Then a new line is given.

Taking second input from user and saving it in the bh register.

Then a new line is given.

Adding the two input digits and saving in bl.

Displaying the result in bl register.

Return and exit.



First input is 2 Second input is 3 Sum is 5.

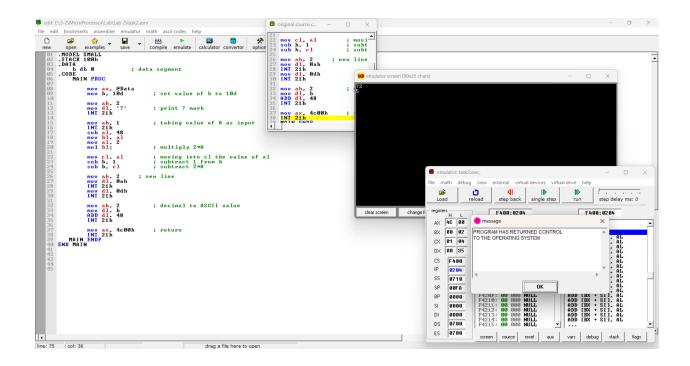
Task 2

Write an Assembly Language Program (ALP) to translate the following high level language assignment statements into assembly language.

A= B - 2*A +1

Where the A, and B are byte variables. Your program does the following, i. Keep the value of variable A as undefined and set the value of variable B to 10D

- ii. Display '?'
- iii. Read the value of variable A in new line
- iv. Display the updated value of A= B 2*A -1 in new line

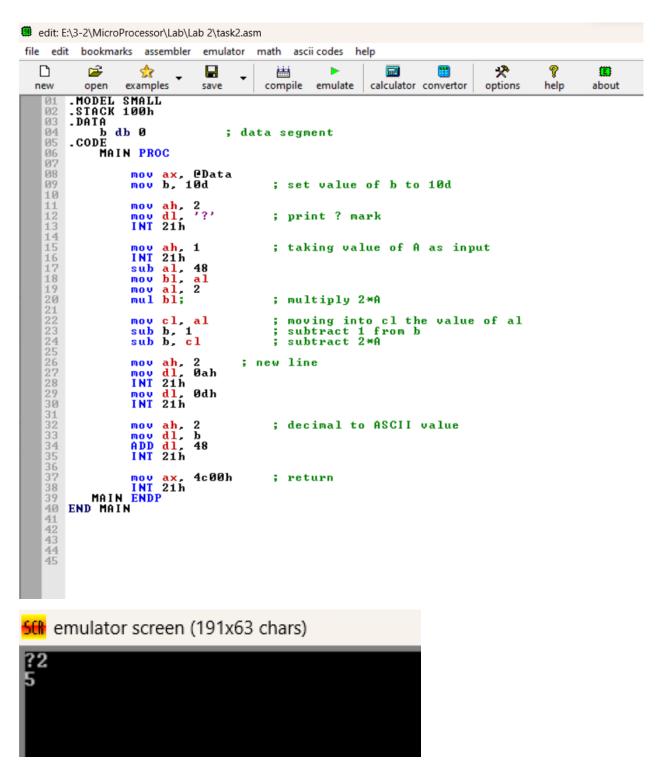


Setting value of b to 10.

Display? mark

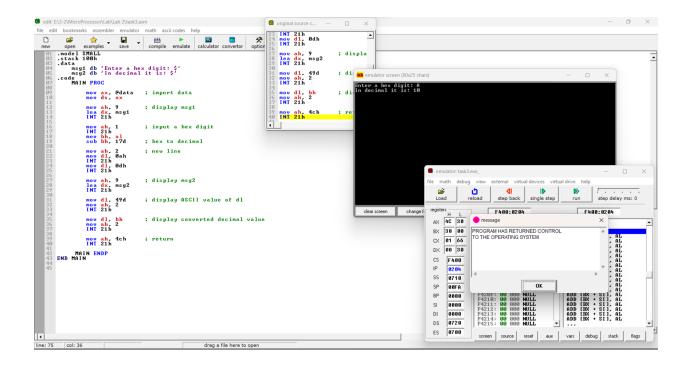
Taking value of A as input

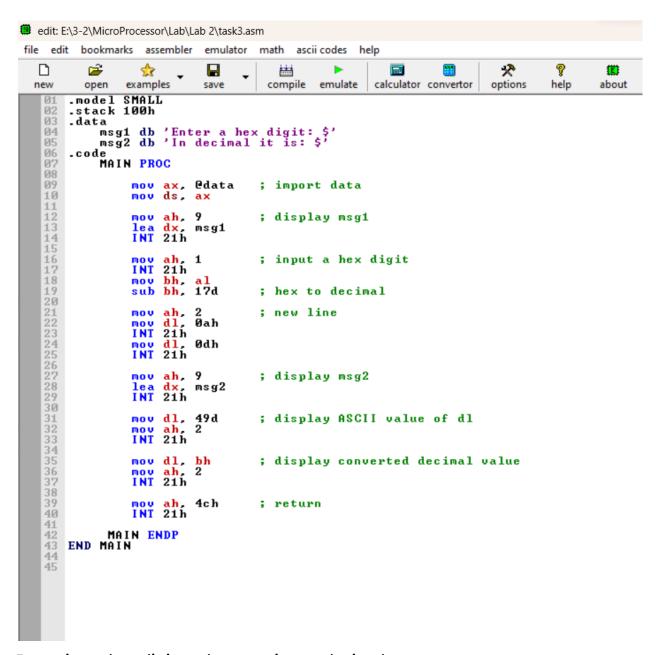
Multiplying 2 with A and performing the calculation according to the equation



Putting the value of A as 2.

Task 3





Inputting a hex digit and converting to decimal.

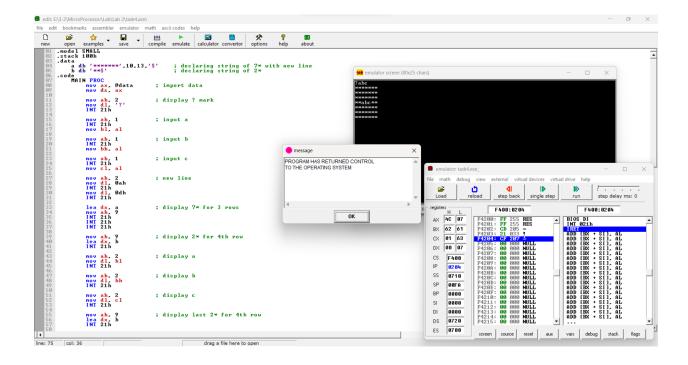
```
emulator screen (191x63 chars)

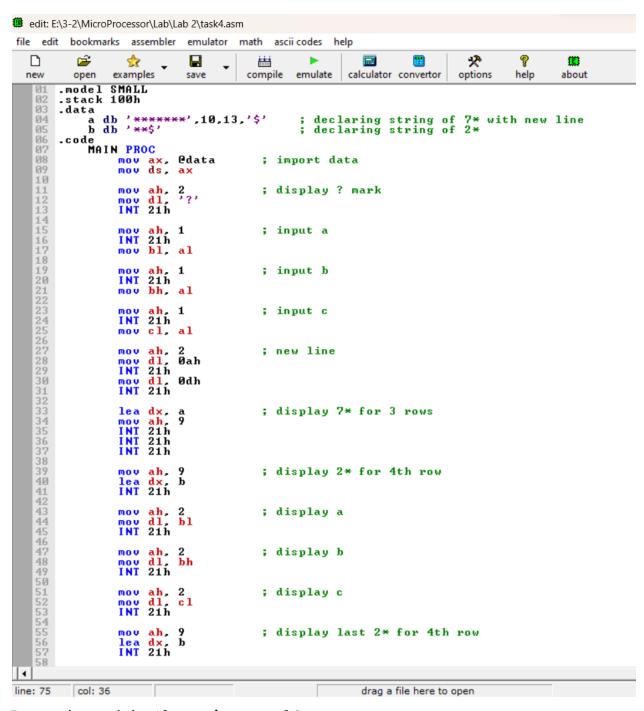
Enter a hex digit: A

In decimal it is: 10
```

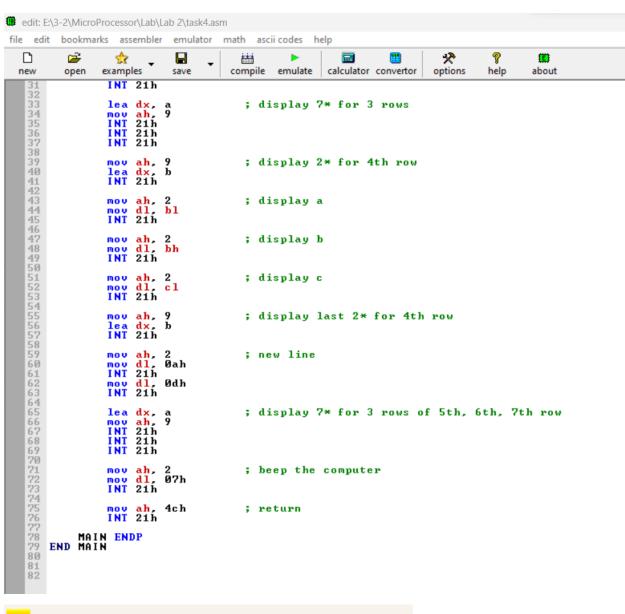
Input hex digit is A here.

Task 4





Input abc and the *formation are of 2 types: 7* and 2*.



6th emulator screen (191x63 chars)