

Computer Organization and Architecture Assembly Project



The main aim of this project is to create a useful assembly program that can change input numbers into three different types: binary, hexadecimal, and decimal. This project gives users an easy and efficient tool for working with numbers, making it more functional and user-friendly.

1- This data section declares string and array variables.

```
Cott/Descripancy/Download/implasor - MARS.45

The Est Bam Settings Jooks Delpo

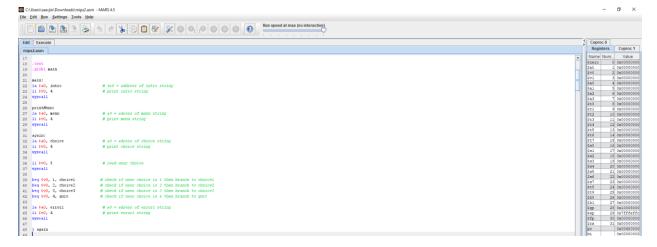
Test Execute

Test Cott Bam Settings Jooks Delpo

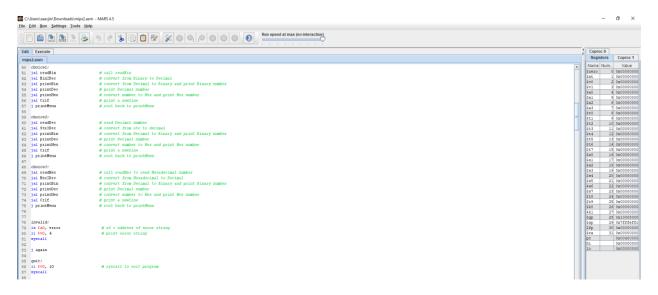
Test Delpoint Jooks Delpoint
```

2- the start of the code section, global main indicate that it is the entry point of the program.



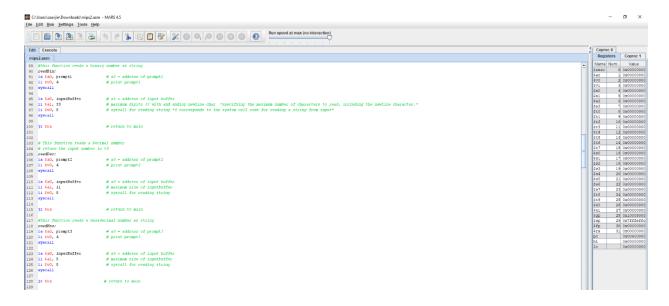


3- user choice section, it has functions inside to convert depending on user choice.

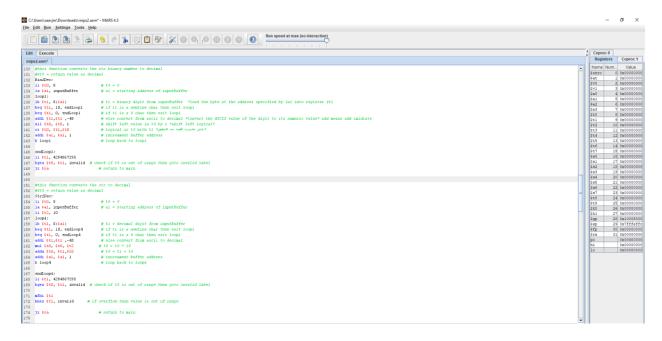




4- These functions first print each prompt message and read the entered number as string then return address to main to perform the conversion methods.



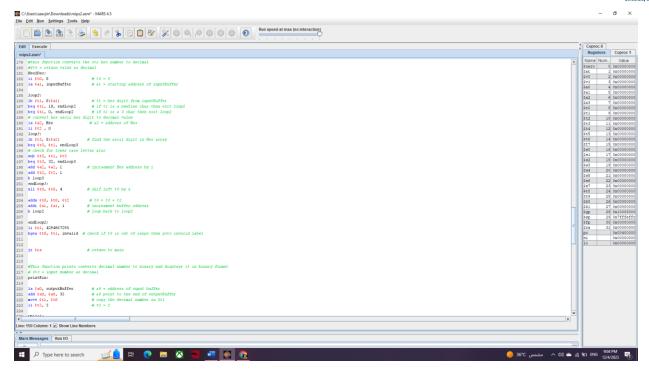
5- Converts functions:

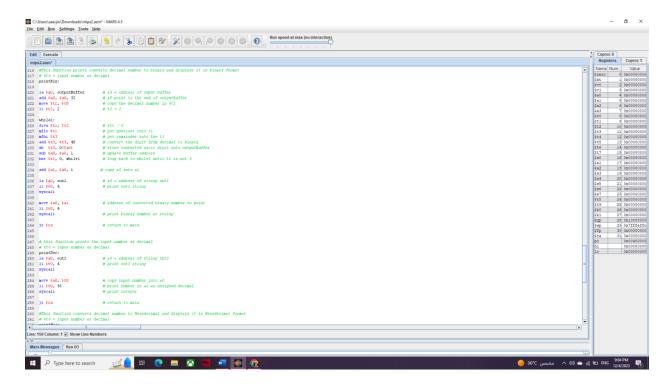


C3L CCCS-217

Safanh saadi alzahrani 2210958 Danah saud alsubaie 2210611



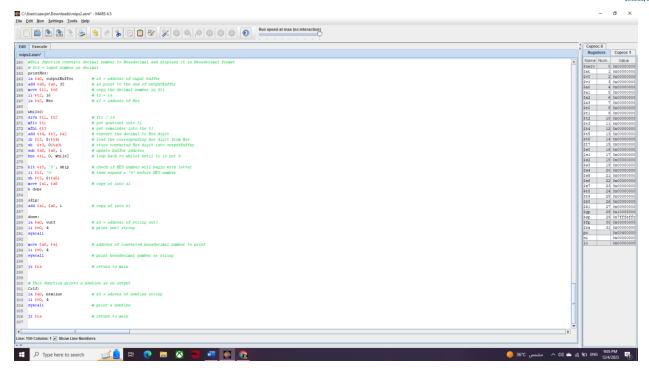




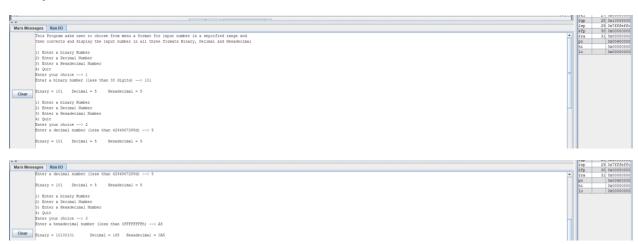
C3L CCCS-217

Safanh saadi alzahrani 2210958 Danah saud alsubaie 2210611





Output:



C3L CCCS-217

Safanh saadi alzahrani 2210958 Danah saud alsubaie 2210611



