



# CO: Lab 3-Assembly

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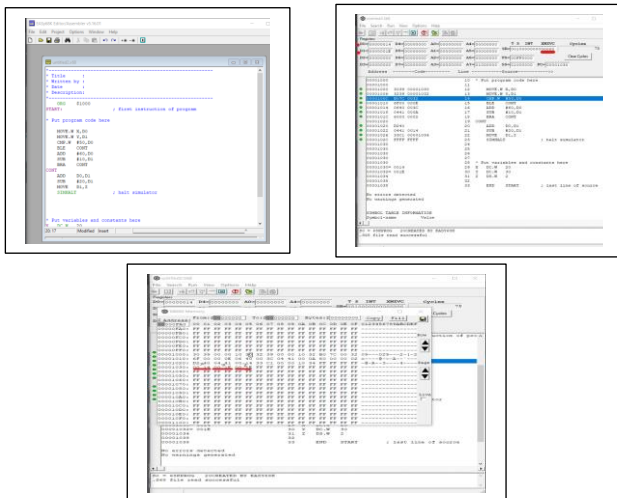
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## I. PROBLEM STATEMENT

You are required to translate the given pseudo code using Easy68k translator: Assuming that X, Y, and Z are memory locations..

## II. CODE, MEMORY, CCR SNIPPETS



## III. CODE

```
*-----  
*-----  
* Title      :  
* Written by :  
* Date       :  
* Description:  
*-----
```

```
ORG      $1000  
START:   ; first  
instruction of program
```

```
* Put program code here
```

```
MOVE.W  X,D0  
MOVE.W  Y,D1  
CMP.W   #50,D0  
BLE     CONT  
ADD     #60,D0  
SUB     #10,D1  
BRA     CONT  
CONT  
ADD     D0,D1  
SUB     #20,D1  
MOVE    D1,Z  
SIMHALT ; halt simulator
```

```
* Put variables and constants here
```

```
X      DC.W    20  
Y      DC.W    30  
Z      DS.W    2
```

```
END      START      ; last line of  
source
```