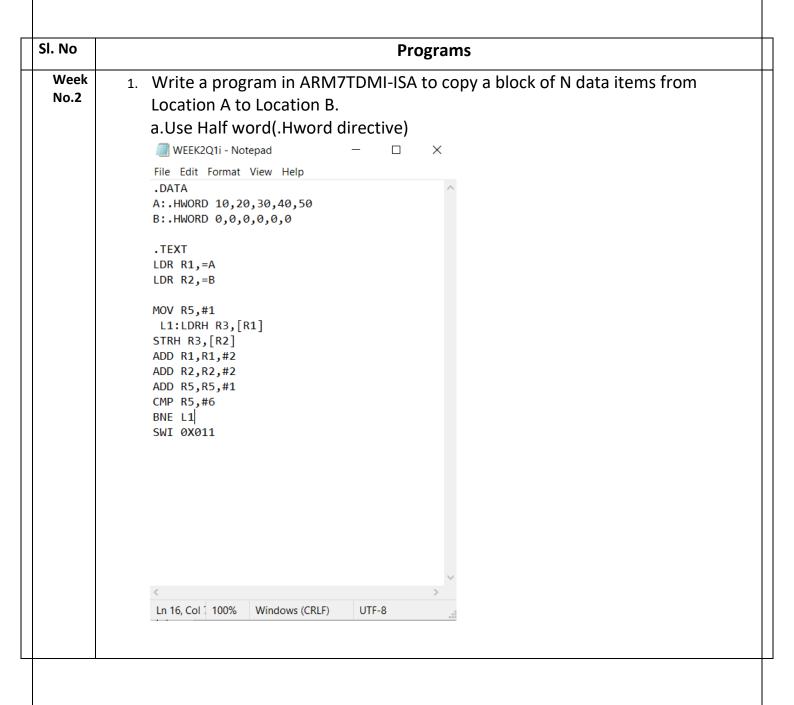
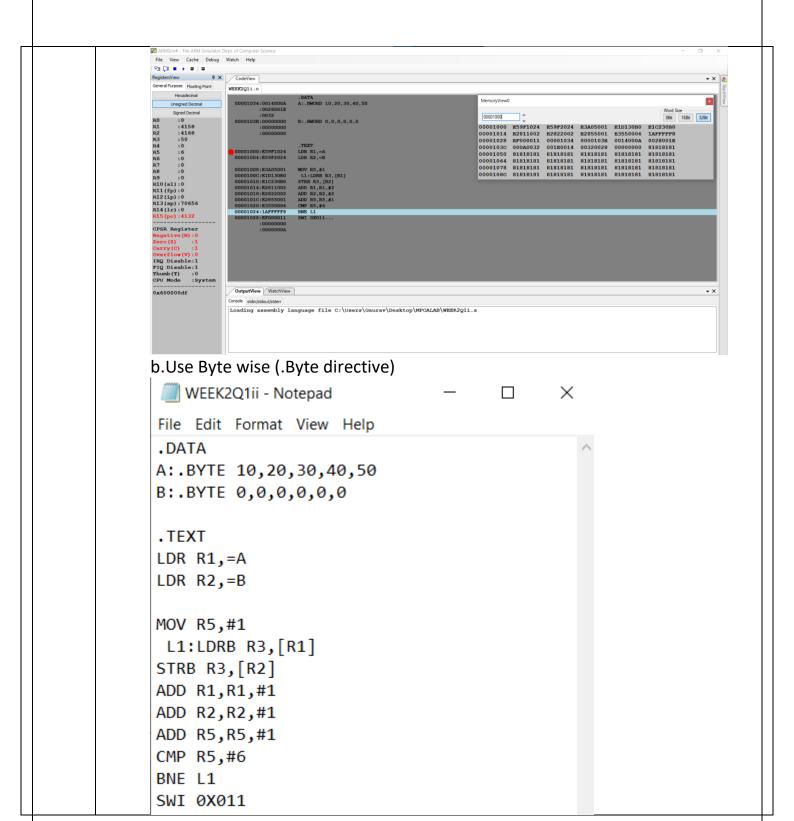
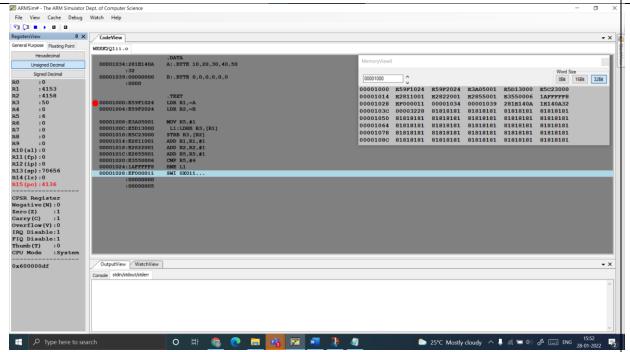


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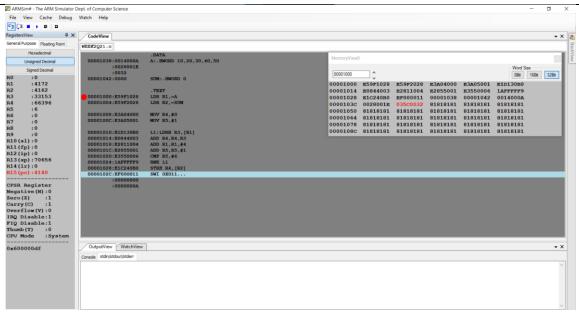






2. Write a program in ARM7TDMI-ISA to find the sum of N data items in the memory. Store the result in the memory location.
a.Use Half word(.Hword directive)

```
WEEK2Q2i - Notepad
                                     \times
File Edit Format View Help
.DATA
A:.HWORD 10,20,30,40,50
SUM:.HWORD 0
.TEXT
LDR R1,=A
LDR R2,=SUM
MOV R4,#0
MOV R5,#1
L1:LDRH R3, [R1]
ADD R4,R4,R3
ADD R1,R1,#4
ADD R5, R5, #1
CMP R5,#6
BNE L1
STRH R4, [R2]
SWI 0X011
```



## b. Use Byte wise (.Byte directive)

