Computer Organization and Architecture (EET2211)

LAB V: Analyze and evaluate different Array operations using ARM processor.

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Branch:		Section:	
S. No.	Name	Registration No.	Signature

Marks: _____/10

Remarks:

Teacher's Signature

I.   OBJECTIVE:

1. Find the largest number in each array of size N.
2. Find the smallest number in each array of size N.
3. Separate Even numbers and odds numbers in an array of size N.

II.   PRE-LAB
 Note: For each objective in prelab describe the following points:
- Write the pseudocode.
- Write the assembly code with description (ex. Mov ax,3000h – ax<-3000h)
- Examine & analyze the input/output of assembly code.

III.   LAB
Note: For each objective in prelab do the following job and assessment:

- Write the Assembly language program (ALP)
- Observations (with screenshots)

IV.   CONCLUSION

V.   POST LAB
1. Explain briefly condition codes (flags) of ARM processor.
2. Which condition codes (flags) is considered for the following branch instructions?
    a. B Label
    b. BEQ label
    c. BLT label