Record submission 1 (10/12/2025 AN) Marks : 6

1. Write an ARM assembly language program to transfer block of ten 32 bit numbers from one memory to another
    a. When the source and destination blocks are non-overlapping
    b. When the source and destination blocks are overlapping

   Hint: Use Register indirect addressing mode or indexed addressing mode
2. Write a program to add ten 32 bit numbers stored in code segment and store the result in data segment
3. Write a program to add two 128 bit numbers stored in code segment and store the result in data segment.
   Hint: Use indexed addressing mode.
4. Write an assembly language program to convert a 2-digit BCD number in to its equivalent hexadecimal number.
5. Write an assembly language program to convert a 2-digit hex number in to its equivalent BCD number
6. Write an assembly program to search an element in an array of ten 32 bit numbers using linear search

Record submission 2 (13/12/2025, FN) Marks :6

1. Write a C program to display 8-bit binary up counter on the LEDs.
2. Write a C program to read a key and display an 8-bit up/down counter on the LEDs.
   Hint: Use key SW2(if SW2=1, up counter else down counter), which is available at CNB1 pin 7. Connect CNB1 to any controller connector like CNB, CNC etc. Configure corresponding port pin as GPIO using corresponding PINSEL register and input pin using corresponding FIODIR register.
3. Write a C program for 4 digit HEX up/down counter on seven segment using a switch and timer with a delay of 1-second between each count
4. Write a C program to display a message on the LCD.
5. Write an embedded C program to read a key and display it on the seven-segment
6. Write a c program to display the digital value representing the difference in analog voltages at ADC channel 4 and channel 5 on LCD.

	FN	AN
Dec. 8th, 2025		
Dec. 9th, 2025		QUIZ1
Dec. 10th, 2025	MIDSEM	RECORD
Dec. 11th, 2025		QUIZ2
Dec. 12th, 2025		MINI PROJECT
Dec. 13th, 2025	END SEM EXAM WITH RECORD SUBMISSIOM	PROJECT DEMO