**Project Assignment**

(This assignment covers ALL important topics learned in this course)

Display following MENU to user

Press 2 for ADDITION operations between registers.

Press 3 for SUBTRACTION operations between registers.

Press 4 for MULTIPLICATION operations between registers.

Press 5 for DIVISION operations between registers.

Press 6 for operations related to LOOP, ARRAY and STACK

Press 0 for EXIT program execution

Selecting 2 from MAIN MENU

When user enters 2 then a FUNCTION (named as ADDITION) should be called. The function should has following features

* Get a value from user and save into register AL
* Get another value from user and save into register BL
* Perform ADDITION operation between registers and then show resultant registers by using CALL DUMPREGS

After completing execution of above operation of this function (ADDITION). Display again MAIN MANE

Selecting 3 from MAIN MENU

When user enters 3 then a FUNCTION (named as SUBTRACTION) should be called. The function should has following features

* Get a value from user and save into register AL
* Get another value from user and save into register BL
* Perform SUBTRACTION operation between registers and then show resultant registers by using CALL DUMPREGS

After completing execution of above operation of this function (SUBTRACTION). Display again MAIN MANE

Selecting 4 from MAIN MENU

When user enters 4 then a FUNCTION (named as MULTIPLICATION) should be called. The function should has following features

* Get a value from user and save into register AL
* Get another value from user and save into register BL
* Perform MULTIPLICATION operation between registers and then show resultant registers by using CALL DUMPREGS

After completing execution of above operation of this function (MULTIPLICATION). Display again MAIN MANE

Selecting 5 from MAIN MENU

When user enters 5 then a FUNCTION (named as DIVISION) should be called. The function should has following features

* Get a value from user and save into register AL
* Get another value from user and save into register BL
* Perform DIVISION operation between registers and then show resultant registers by using CALL DUMPREGS

After completing execution of above operation of this function (DIVISION). Display again MAIN MANE

Selecting 6 from MAIN MENU

When user enters 5 then a FUNCTION (named as ARRAY) should be called. The function should has following features

* Get TEN values from user by using LOOP
* PUSH each number into STACK
* POP each element one by one and save even numbers in an array named as E\_ARRAY. While odd number should be saved in another array named as O\_ARRAY.
* Display contents of E\_ARRAY
* Display contents of O\_ARRAY

After completing execution of above operation of this function (ARRAY). Display again MAIN MANE

Selecting 0 from MAIN MENU

When user enters 0 the execution of program should be stopped.