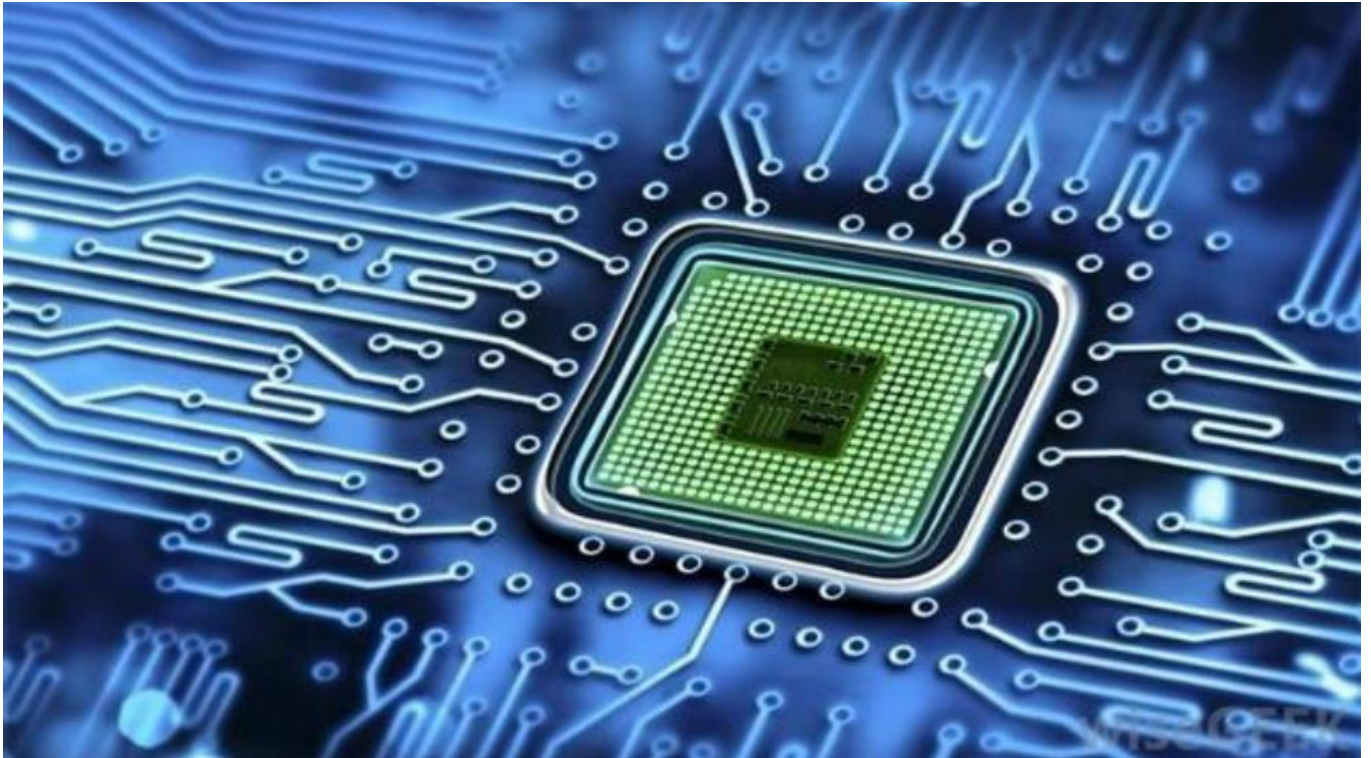جامعة الفرات الاوسط التقنية

AL-Furat al-awsat technical University

الكلية التقنية الهندسية /نجف
هندسة تقنيات الليزر والالكترونيات البصرية

مختبر معالج دقيق

Exp. No: 5

Exp. Name: Transfer Block of Data

Experiment No.:- 5

Experiment Name: Transfer Block of Data.

AIM: To study the operation of conditional and unconditional jump instructions.

Theory:
This group of instructions alters the sequence of program execution either conditionally or unconditionally.

Jump: Conditional jumps are an important aspect of the decision-making process in the programming. These instructions test for a certain conditions (e.g., Zero or Carry flag) and alter the program sequence when the condition is met. In addition, the instruction set includes an instruction called *unconditional jump. jumps* (JC , JNC , JZ , JNZ , JP , JM , JPE , JPO).

Algorithm:
1- Start the program by loading data (AC,A5, BB, 23,44) in memory location start from 2100H.
2- Write assembly language to transfer this data to new memory location start with 2200H.
3- Re write the program by machine language start loads 2000H.
4- Show the content of memory location 2200 to 2204.

Discussion: