

**BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI**  
**II SEMESTER 2019-2020**  
**EEE/CS/INSTR F241 MICROPROCESSOR PROGRAMMING AND INTERFACING**  
**Lab #7 (OPEN BOOK)**

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**Task1:**

An English sentence is stored as character string at location STRN and number of characters including blank spaces in this string is stored at byte-sized memory location SCNT. An English word and its size (number of characters in the word) is stored at memory location STR1 and STRC (byte sized) respectively. **Write an 8086 ALP program** to find the occurrence of the word stored at STR1 in the string stored at STRN and replace the first occurrence of the word in the string STRN with another word stored at memory location RWORD. Assume the size of both words STR1 and RWORD are same.