



AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH

Faculty of Science and Information Technology

Department of Computer Science

CSC 2106 Computer Organization and Architecture

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1. Write an assembly program to take 3 input characters from user, sort the alphabets and display them in descending order.
2. Write an assembly program to take 4 subjects grade (i.e. A,B, C, B) as input from user and calculate his/her CGPA. Please note, each grade has a difference of 1 [Hint: do the average of all subjects].
3. Do the problem-2 for N number of students.
4. Write an assembly program to find whether a character (user input) is VOWEL or CONSONANT or a NUMBER? If user gives any wrong input, show ERROR message.
5. Write an assembly program to create a simple calculator that will facilitate the features like Addition, Subtraction, Multiplication and Division. If you decide the operation based on a number input, instruct your software users to avoid mistakes (i.e. prompt messages). Also, if a user gives a wrong input, show the ERROR message and ask for input again.