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| https://upload.wikimedia.org/wikipedia/commons/thumb/4/4e/VU_Logo.png/260px-VU_Logo.png | Computer Architecture and Assembly Language Programming (CS401p)  Assignment No. 2 | Total marks = 20  Deadline Date:  July 11, 2023 |
| Please carefully read the following instructions before attempting the assignment.  RULES FOR MARKING  It should be clear that your assignment would not get any credit if:   * The assignment is submitted after the due date. * The submitted assignment does not open or file is corrupt. * Strict action will be taken if the submitted solution is copied from any other student or from the internet.   You should consider the recommended books to clarify your concepts as handouts are not sufficient.  You are supposed to submit your assignment in .doc or docx format.  Any other formats like scan images, PDF, ppt,txt and bmp etc. will not be accepted.  Topics covered:   * STOS Example – Clearing the Screen * LODS Example – String Printing | | |
| NOTE  No assignment will be accepted *after the due date via email in any case* (whether it is the case of load shedding or internet malfunctioning). Hence refrain from uploading your assignment in the last hours of the deadline. It is recommended to upload the solution file at least two days before its closing date.  If you find any mistake or confusion in the assignment (Question statement), please contact your instructor before the deadline. After the deadline, no queries will be entertained in this regard.  For any query, feel free to email at [cs401@vu.edu.pk](mailto:cs401@vu.edu.pk) | | |

Write an assembly language program which will first take VU ID as input and then set background and foreground color of each character differently.

* Before printing the screen must be cleared.
* First VU ID will be taken as input from user.
* Then print VU ID on the screen with different foreground and background color for each character.
* For example if VU ID is bc12345678 then the ID will be printed as follows:

bc12345678

**Submission Details:**

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| * Submit one document file, Copy the code and paste screenshot of program execution. * Your executable file name must be last 4 digit of your vuid. |

**Best of luck!**