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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 (CS401)  Assignment # 01 | Total marks = 20  Deadline:  June 20, 2022 |
| Please carefully read the following instructions before attempting 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 submitted solution is copied from any other student or from the internet.   You should concern 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, zip, rar, ppt and bmp etc. will not be accepted.  Topic Covered:   * Addressing Modes * Branching * Subroutines | | |
| 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 etc.). Hence refrain from uploading assignment in the last hour of deadline. It is recommended to upload solution file at least two days before its closing date.  If you people find any mistake or confusion in assignment (Question statement), please consult with 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) | | |

**Q. You are required to write an assembly language program to calculate the exponential value of the last two digits in your VUID. For example, if the VUID is mc020400456, then your code should calculate 56 that is equal to 15625 decimal and save it in memory.**

**Attach the screenshot of AFD debugger showing the final result in the memory.**

**Note: Your code should be able to calculate the exponential values of any set of coefficient and exponent values.**

**Hint: 56 =**  **= 15625**

Best of Luck!