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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 Practical (CS401p)**  **Assignment No. 1** | **Total marks = 20**  **Deadline Date:**  **May 23, 2023** |
| **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, asm,txt,PDF, ppt and bmp etc. will not be accepted.  **Lectures covered: 1-5**  **Topics covered: Shifting and rotations** | | |
| **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 assignment in the last hour of the deadline. It is recommended to upload your solution file at least two days before its closing date.**  **If you find any 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 [cs401p@vu.edu.pk](mailto:cs401p@vu.edu.pk)** | | |

**Problem Statement:**

Write an assembly language program that calculates the sum of all even numbers from 1 to N, where N is the largest digit of your VUID. Use jumps and labels to implement the necessary loops and conditionals. Store the final sum in a variable named sum.

**Requirements:**

* Calculate the sum of all even numbers from 1 to N, where N is the largest digit of your VUID.
* Use jumps and labels to implement loops and conditionals.
* Store the final sum in a variable named sum.

Note: Save the code file with your last four digits of VUID.

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| Submission details:  Submit one document file, Copy the code and paste screenshot of program execution. |

**“Best of luck”**