United International University
Department of Computer Science and Engineering
CSE 236 Assembly Programming Laboratory
Online 2, Spring 2021, Section A, Duration: 40 Minutes

## Problem Description

Consider the series $2 + (2 + 4) + (2 + 4 + 6) + \ldots + (2 + 4 + 6 + \ldots + 2n)$ where $n$ represents the number of terms in the series. Your task is to-

- Consider a variable $n$ (you don't have to take any inputs here)
- Calculate the series for a given value of $n$
- Store the calculated result in the **AX** register

## Marks Breakdown

| Task | Marks |
|---|---|
| Declare the variable $n$ | 1 |
| Calculate the inner series | 4 |
| Calculate the outer series | 4 |
| Store result in **AX** | 1 |
| Total Marks | 10 |

## Assignment Rules

- **YOU CAN'T USE ANY LIBRARIES OR ANY OTHER INSTRUCTIONS THAT YOU FIND IN THE INTERNET THAT WASN'T COVERED IN CLASS. YOU WILL RECEIVE 0 IF THIS IS THE CASE.**
- Online must be submitted in eLMS. Submission via email won't be accepted. **COPY YOUR CODE TO A .txt FILE AND THEN SUBMIT IT. ANY OTHER FILE TYPE WON'T BE ACCEPTED BY eLMS FOR THIS ASSIGNMENT.**
- Rename your file to your student id.
- **DO NOT COPY ANY CODE**. Penalty for plagiarism is -100%. Also, powerful plagiarism checker is now included in eLMS. So, your submitted assignment will be automatically checked for plagiarism against your classmates and against the internet by eLMS.