430/530 – Buffer Overflow Lab		
ASLR Cite any sources used to assist you with your answers.	Name:	
Briefly describe what ASLR is/does and what purpose it serves.		
Determine if your Kali VM in ISELab is using ASLR. Justify your answer, i. used on your Kali VM. It may be helpful to provide a screen capture to s		

Lab Setup message file		
overflow.c code		

Experiment 1	Experiment 2
Experiment 3	Experiment 4
•	•

©tlavan@iastate.edu This document may not be posted on homework sites such as Course Hero or Chegg. Express written consent is required to copy, modify and distribute, or upload this document beyond CprE 430/530 Lab usage.

correct it. You need to debug your program, check your file locations, and check your terminal commands. If you need help

diagnosing the problem, contact your TA(s). Please check your images before submitting your PDF.

Rei spe	b Reflection member, answer using complete sentences and enough details/specifics to avoid vague answers. Please end time thinking of a thoughtful response. You may use outside sources to develop your responses but be re you cite any sources you use.
A.	Coding with security in mind and using ASLR are two buffer overflow mitigation strategies discussed in this lab. What are two other ways buffer overflow attacks could be mitigated?
В.	This lab mentioned the Morris Worm and Heartbleed. Perform Internet research to find another prominent buffer overflow attack. Provide a brief description of the attack and include information such as the attack name, where the buffer vulnerability exists (e.g., specific piece of software, OS, protocol), a CVE number, and how the attack unfolds.

C. In a paragraph of at least five sentences, reflect on what you have accomplished in this lab.