CSC3320 System Level Programming

Lab Assignment 9 - Post-Lab

Dang Truong

ID- dtruong17

ID# 002420309

Part 1:

Text

Description automatically generated

Part2:

Text

Description automatically generated

2. #include<stdio.h>

int main()

{

char charvar='\0';

printf("address of charvar = %p\n",(void\*)(&charvar));

printf("address of charvar -1 = %p\n",(void\*)(&charvar-1));

printf("address of charvar +1 = %p\n",(void\*)(&charvar+1));

int intvar=1;

printf("address of intvar = %p\n",(void\*)(&intvar));

printf("address of intvar -1 = %p\n",(void\*)(&intvar-1));

printf("address of intvar +1 = %p\n",(void\*)(&intvar+1));

}

3. intvar is incremented by 4 bytes instead of 1 byte because intvar declared as integer, and integer takes 4 bytes memory.

Part 3:

Text

Description automatically generated

2. They are the same.

3. printf("length(numbers)= %lu\n", sizeof(numbers)/sizeof(numbers[0]));