**SENG 102 LABWORK 3**

1. **What is the output of the program below?**

**#include <stdio.h>**

**int main() {**

**int a[4] = {5, 15, 25, 35};**

**printf("%d\n", a[1]);**

**printf("%p\n", &a[2]);**

**printf("%d\n", a[2] + 5);**

**printf("%p\n", &a[3] + 1);**

**printf("%p\n", a + 2);**

**printf("%d\n", \*(a + 3));**

**printf("%p\n", &a[0]);**

**printf("%d\n", \*a + 4);**

**return 0;**

**}**

1. **Write a C program to compute the sum of all elements in an array using pointers.**
2. **Write a C program to print the elements of an array in reverse order using pointers.**
3. **Write a C program to sort an array in increasing order using pointers.**