**ASSIGNMENT NO. 8**

**AIM:** Write a C program to swap two numbers using pointers.

**OBJECTIVE:**

1. To learn and understand pointers in C .
2. To learn and understand concept of call by value and call by reference.

**THEORY:**

Define Pointer.

Use of pointer in C programming.

Concept of call by value and call by reference

**Platform:** 64 –bit Open source Linux

**Technology:** Open Source Editor ( gedit).

# ALGORITHM :

# FLOWCHART :

1. **PROGRAM:**

**INPUT:**

Enter the first number: 45

Enter the second number: 63

**OUTPUT:**

**Before Swapping:**

First number=45, Second number=63

**After Swapping:**

First number=63, Second number=45

**CONCLUSION:** Thus implemented the C program to swap two numbers using pointers.

**FAQ:**

1. In C, why is the void pointer useful? When would you use it?
2. What does the error ‘Null Pointer Assignment’ means and what causes this error?