**ASSIGNMENT NO: 01a**

**Problem Statement:** Develop an object oriented program in C++ to create a database of student information system containing the following information: Name, Roll number, Class, division, Date of Birth, Adhar number, Blood group, Contact address, telephone number. etc Construct the database with suitable member functions for initializing and destroying the data viz default constructor/Copy constructor, destructor. Also Display the student information.

**Objectives:**

1. To learn concepts of classes and objects in C++
2. To learn constructor and destructor in C++

**Theory:**

**Explain**

* + **Class**
  + **Object**
  + **Constructor and Destructor**

# Algorithm / Class Diagram / Implementation:

1. START.
2. Create a student class.
3. Create a default constructor.
4. Define accept and display member functions of class.
5. Accept student Information (Name, Roll number, Class, division, Date of Birth, Adhar number, Blood group, Contact address, telephone number.) using array of objects.
6. Display the student database.
7. STOP

# Platform: 64 –bit Open source Linux

**Input:** Student Information : Name, Roll number, Class, division, Date of Birth, Adhar number, Blood group, Contact address, telephone number.

**Output:** Student Database containing Name, Roll number, Class, division, Date of Birth, Adhar number, Blood group, Contact address, telephone number.

**Conclusion:** Hence, learned to create a class ,constructor and destructor in C++ successfully.

**FAQs:**

1. Explain : Array of Objects
2. How is memory allocated/deallocated in C++?
3. What is the order of constructor execution in C++?