

Heaven's Light is Our Guide
Rajshahi University of Engineering & Technology
Department of Computer Science & Engineering

Lab Manual

Course Code: **CSE 1204 (Sec A & B)**
Course Title: Sessional based on CSE 1203

Module 2 [Constructor,const & static]: (for Week 3)

Problem Statement: The following class is a simple class for the operations in a Bank. The objects of Bank class stores id, amount of each client and n keeps track of total clients.

```
class Bank{
    private:
        int id;
        float amount;
        static int n;
    public:
        //write methods

};
```

Now extend the program do the following

- i) Write empty constructor to initialize id and amount to 0
- ii) Write parameterized constructor to initialize id and amount
- iii) Write copy constructor to Initialize id and amount
- iv) Write a method to set id and amount
- v) Write a method to change the amount only
- vi) Write a method to display n only
- vii) Write a method to display id, amount and n where their values can't be changed
- viii) Create five clients with id and amount (use all constructors to do it)
- ix) Find total amount of the bank