

Answer on Question #52687 – Programming – C++

1. Define the class bankAccount to store a bank customer's account number (int) and balance (double).
2. Your class should, at least, provide the following operations:
 - a. set the account number,
 - b. retrieve the account number,
 - c. retrieve the balance,
 - d. deposit money,
 - e. withdraw money,
 - f. print account information
3. Add a constructor with default parameters.

Answer:

```
#include <iostream> //Using for PrintAccountInformation
class BankAccount
{
    //1. Define the class bankAccount to store a bank customer's account number(int) and
    balance(double).
    int    account_number;
    double balance;
public:
    //3. Add a constructor with default parameters.
    BankAccount(int account_number=0, double balance = 0.0)
    {
        this->account_number=account_number;
        this->balance = balance;
    }
    //if you want create array of BankAccount or something else
    BankAccount(const BankAccount* obj)
    {
        this->account_number = obj->account_number;
        this->balance = obj->account_number;
    }
    //a. set the account number,
    void SetAccountNumber(int account_number)
    {
        this->account_number = account_number;
    }
    //d. deposit money,
    void Deposit(double money)
    {
        this->balance += money;
```

```

}
//e. withdraw money,
double Withdraw(double money)
{
    if (this->balance >= money) {
        this->balance -= money;
        return money;
    }
    else {
        return 0.0;
        std::cout << "not enough money on account";
    }
}
//b. retrieve the account number,
int RetrieveAccountNumber(void) const
{
    return this->account_number;
}
//c. retrieve the balance,
double RetrieveBalance(void) const
{
    return this->balance;
}
//f. print account information
void PrintAccountInformation(void) const
{
    std::cout << "AccountNumber: " << this->account_number;
    std::cout << " Balance: " << this->balance << std::endl;
}
};

```