**Exercise 3:**

1. Write a program to create a class Calculator having necessary data members and member functions.
2. Write a program to print all the prime nos. between given two numbers taken as input from user. Take default values to be 0 and 100 in case one (or both)arguments are missing
3. Create a class Bank having data members bank name, bank id and total balance. Create another class Account inherited from Bank that stores customer name, account number and balance. From this derive the classes CurrentAccount and SavingAccount. Current account maintains minimum balanceof ₹10,000, whereas savings account maintains minimum balance of ₹1000. The interest rates for current and savings accounts are 2% and 5% respectively. Write member functions for withdraw, deposit and check balance in both the classes.Also note that the amount deposited by any customer will increase the total balance of the bank and the amount withdrawn from individual’s account will also decrease the total balance of the bank.Also write member function to find the total number of transactions (including withdraw, deposit and check balance), total balance of the bank and the total number of transactions of any kind in the bank during the last month.Ensure the following criteria:
   1. At all times the bank must have at least ₹1,00,000.
   2. A customer can deposit maximum ₹40,000 at a time for saving account and ₹1,00,000 for current account.
   3. **If the current date is 1st of any month then the customer get credited the interest amount on its balance till the last day of previous month. This interest should be deducted from the total balance of bank.**
4. Write a program for performing following operations on a given array:
   1. Insert a new element at the beginning of the array
   2. Insert a new element at the end of the array
   3. Insert a new element at specific position in the array
   4. Delete the first element of the array
   5. Delete the last element of the array
   6. Delete the element at specified position from the array