

National University of Computer and Emerging Sciences



Lab Manual 11 Programming Fundamentals

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Section	E
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Problem1:

Suppose that you have the following C++ code:

```
vector<int> myList(5);
unsigned int length;
myList[0] = 3;
for (int i = 1; i < 4; i++)
myList[i] = 2 * myList[i - 1] - 5;
myList.push_back(46);
myList.push_back(57);
myList.push_back(35);
```

- a. Write a C++ statement that outputs the first and the last elements of myList. (Do not use the array subscripting operator or the index of the elements.)
- b. Write a C++ statement that stores the size of myList into length.
- c. Write a for loop that outputs the elements of myList.

Problem 2:

Write a program to add two vectors of integers type and length 3

Problem 3:

Write a program to append value to a given empty vector.

Problem 4:

Write a program to multiply two vectors of integers type and length 3.

Problem 5:

Write a program to divide two vectors of integers type and length 3

Problem 6:

Write a program which will print all the pairs of prime numbers whose sum equals the number entered by the user.