



LAB 8

1. Write a C++ function that takes a string and display it from backward.

Example:

```
Enter text please: Hello World
Reversed Text: dlroW olleH
```

2. Write a C++ function that takes a string entered by the user and return the number of words.
3. Write a C++ function takes a string as a parameter, and return the same string with rotation.

Example:

```
Enter text please: Hello World
Reversed Text: ello WorldH
```

4. Suppose that you have the following statements:

```
string str1, str2;
cin >> str1 >> str2;
if (str1 == str2)
    cout << str1 + '!' << endl;
else if (str1 > str2)
    cout << str1 + " > " + str2 << endl;
else
    cout << str1 + " < " + str2 << endl;
```

- a. What is the output if the input is diamond diamond ? //diamond!
- b. What is the output if the input is diamond gold ? //diamond! < gold
- c. What is the output if the input is silver gold ? // gold < silver

5. What is the output of the following block of code?

```
string str1 = "Amusement Park";
string str2 = "Going to";
string str3 = "the";
string str;
cout << str2 + ' ' + str3 + ' ' + str1 << endl;
cout << str1.length() << endl;
cout << str1.find('P') << endl;
cout << str1.substr(1, 5) << endl;

str = "ABCDEFGHGIJK";
cout << str << endl;
cout << str.length() << endl;
str[0] = 'a';
str[2] = 'd';
cout << str << endl;
```

Sol:

Going to the Amusement Park

14

10

useum

ABCDEFGHIJK

11

oBdDEFGHIJK