

CS127-5L: Computer Programming 2 Laboratory
Machine Problem #5: Completing the Basics (Exception Handling)

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Section:	A35	Date: 04-13-2023

Instructions:

1. Save your file as Surname_Firstname_MP5. Ex. **Isip_MP5.cpp**
2. You will submit the following and send it to BB .
 - a. PDF file of Machine Problem 1 provided with the screenshot of your answers (Sample Run)
 - b. C++ script with .cpp extension.
3. Your program must have comments for each section.

Header Comments:

Write a description of the program.

Written by: Cheryl Mari M. Isip

Date: April 21, 2022

Time: 7:30am

Program: BSCPE

Course: CS127-5L

Section: B20

School: Mapua University

EXERCISE

Using the at()function, write a C++ program that reads in a strings by using getline () and then displays the string in reverse order.

Hint: After the string has been entered and saved, retrieve and display characters, starting from the end of the string.

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Take a screenshot and paste your output:

The image displays two separate sessions of a C++ application running in Microsoft Visual Studio. Both sessions show the code for a program that reads a string from the user and prints it in reverse order.

Session 1 (Top):

```
//The code is to enter a string using getline and read in reverse order
//Written by: Ma. Addine Anne T. Carreon
//Date: April 13, 2023
//Time: 3:15 PM
//Program: BDS5
//Course: CS127-5L
//Section: A35
//School: Mapua University

#include <iostream>
#include <string>

using namespace std;

int main() {
    string str;
    cout << "Enter a string: ";
    getline(cin, str);
    cout << "Reverse string: ";
    for (int x = str.length() - 1; x >= 0; x--) {
        cout << str.at(x);
    }
    return 0;
}
```

Session 2 (Bottom):

```
//The code is to enter a string using getline and read in reverse order
//Written by: Ma. Addine Anne T. Carreon
//Date: April 13, 2023
//Time: 3:15 PM
//Program: BDS5
//Course: CS127-5L
//Section: A35
//School: Mapua University

#include <iostream>
#include <string>

using namespace std;

int main() {
    string str;
    cout << "Enter a string: ";
    getline(cin, str);
    cout << "Reverse string: ";
    for (int x = str.length() - 1; x >= 0; x--) {
        cout << str.at(x);
    }
    return 0;
}
```

In both sessions, the application prompts the user to enter a string. In the first session, the user enters '1 2 3 4 5 6 7', and the program outputs 'Reverse string: 7 6 5 4 3 2 1'. In the second session, the user enters 'a b c d e f', and the program outputs 'Reverse string: f e d c b a'.