



COLLEGE OF ENGINEERING AND COMPUTER STUDIES

OUTCOMES EVALUATION 5

**[Void functions and functions with
parameters implementations.]**

Submitted By
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Course & Section
BSCS 1-1

Date
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OUTCOMES OUTLINE

I. DESCRIPTION

void functions and functions with parameters implementations.

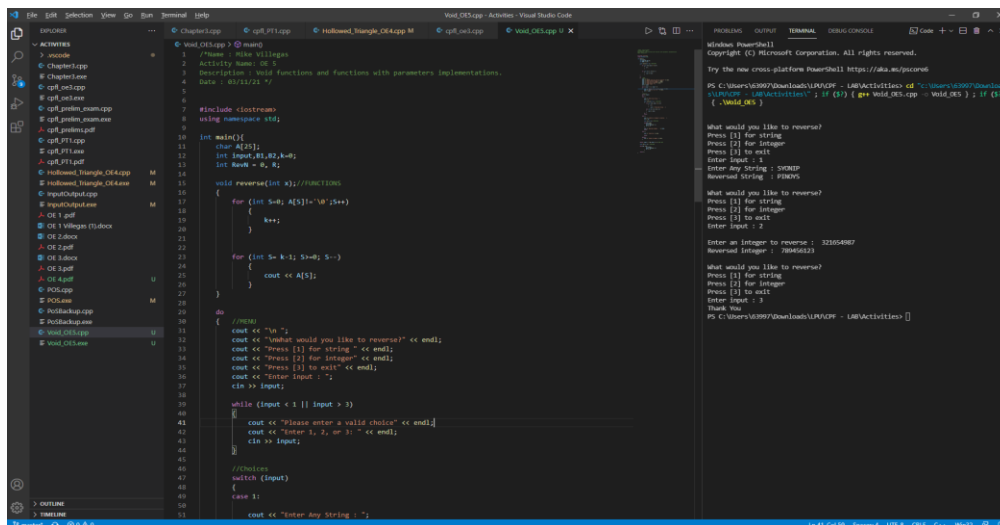
II. THEORETICAL FRAMEWORK

INPUT	PROCESS	OUTPUT
Input	<code>cin >> input;</code>	Input
Void reverse	<code>void reverse(int x);</code>	Void Reverse
Case 1	<pre>cout << "Enter Any String : "; cin >> A; void reverse(int x); //FUNCTIONS { for (int S=0; A[S]!='\0';S++) { k++; } cout << "Reversed String : "; for (int S= k- 1; S>=0; S--) { cout << A[S]; } break;</pre>	Case 1
Case 2	<pre>cout << "\nEnter an integer to reverse : "; cin >> B1;</pre>	Case 2

	<pre> void rev(int y); //FUNCTIONS while(B1 !=0){ R = B1%10; RevN = RevN*10 + R; B1 /= 10; } </pre>	
Case 3	<pre> case 3: cout << "Thank You" << endl; break; </pre>	Case 3
default	<pre> default: cout << "Please try Again" << endl; </pre>	Default
while	<pre> while (input <= 2 && input >= 1); //END LOOP </pre>	while

III. SCREEN SHOTS

A. Visual Studio Code



The screenshot displays the Visual Studio Code interface. The main editor shows a C++ file named `void.cpp` with the following code:

```

1 //Name: Mike Villages
2 Activity Name: as 5
3 Description: void Functions and functions with parameters Implementations.
4 Date: 08/22/21
5
6 #include <iostream>
7 using namespace std;
8
9 int main()
10 {
11     char A[5];
12     int input, B1, R2, k=0;
13     int RevN = 0, R;
14
15     void reverse(int k); //FUNCTIONS
16     for (int S=0; A[S]!='\0'; S++)
17     {
18         B1 = A[S];
19         R2 = B1;
20     }
21
22     for (int S= k-1; S>=0; S--)
23     {
24         cout << A[S];
25     }
26
27 }
28
29 //REVERSE
30 void reverse(int k)
31 {
32     cout << "What would you like to reverse? ";
33     while (input <= 2 && input >= 1)
34     {
35         cout << "Please enter a valid choice" << endl;
36         cout << "Enter 1, 2, or 3. " << endl;
37         cin >> input;
38     }
39
40     switch (input)
41     {
42     case 1:
43         cout << "Enter Any String : ";
44         break;
45     case 2:
46         cout << "Enter Integer : ";
47         break;
48     case 3:
49         cout << "Thank You";
50         break;
51     default:
52         cout << "Please try Again";
53     }
54 }

```

The terminal window on the right shows the program's execution:

```

Microsoft PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\MIKE\Downloads\LPUN\LPUN - LPU\Activities> g++ void.cpp -std=c++11 -o void.exe
void.exe
What would you like to reverse?
Press [1] for string
Press [2] for integer
Press [3] to exit
Enter Input : 1
Enter Any String : SKMNP
Reversed String : PNMSK
What would you like to reverse?
Press [1] for string
Press [2] for integer
Press [3] to exit
Enter Input : 2
Enter an integer to reverse : 32054807
Reversed integer : 70840233
What would you like to reverse?
Press [1] for string
Press [2] for integer
Press [3] to exit
Enter Input : 3
Thank You
PS C:\Users\MIKE\Downloads\LPUN\LPUN - LPU\Activities>

```

B. Sample Input/Output




INPUT:

```
6
7 #include <iostream>
8 using namespace std;
9
10
11 int main(){
12     char A[25];
13     int input,B1,B2,k=0;
14     int RevN = 0, R;
15
16     void reverse(int x); //FUNCTIONS
17     {
18         for (int S=0; A[S]!='\0'; S++)
19         {
20             k++;
21         }
22
23         for (int S= k-1; S>=0; S--)
24         {
25             cout << A[S];
26         }
27     }
28
29     do
30     {
31         //MENU
32         cout << "\n ";
33         cout << "What would you like to reverse?" << endl;
34         cout << "Press [1] for string " << endl;
35         cout << "Press [2] for Integer" << endl;
36         cout << "Press [3] to exit" << endl;
37         cout << "Enter input : ";
38         cin >> input;
39
40         while (input < 1 || input > 3)
41         {
42             cout << "Please enter a valid choice" << endl;
43             cout << "Enter 1, 2, or 3: " << endl;
44             cin >> input;
45         }
46
47         //Choices
48         switch (input)
49         {
50             case 1:
51                 cout << "Enter Any String : ";
52                 cin >> A;
53
54                 void reverse(int x); //FUNCTIONS
55                 {
56                     for (int S=0; A[S]!='\0'; S++)
57                     {
58                         k++;
59                     }
60                     cout << "Reversed String : ";
61
62                     for (int S= k-1; S>=0; S--)
63                     {
64                         cout << A[S];
65                     }
66                     break;
67                 }
68             case 2:
69                 cout << "\nEnter an integer to reverse : ";
70                 cin >> B1;
71
72                 void rev(int y); //FUNCTIONS
73                 {
74                     while(B1 !=0){
75                         R = B1%10;
76                         RevN = RevN*10 + R;
77                         B1 /= 10;
78                     }
79
80                     cout << "Reversed integer : " << RevN;
81                     break;
82                 }
83             case 3:
84                 cout << "Thank You" << endl;
85                 break;
86             default:
87                 cout << "Please try Again" << endl;
88         }
89     }
90     while (input <= 2 && input >= 1); //END LOOP
91
92     void rev(int y); // FUNCTIONS
93
94     while(B1 !=0){
95         R = B1%10;
96         RevN = RevN*10 + R;
97         B1 /= 10;
98     }
99
100     return 0;
101 }
```



OUTPUT:

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
 Code + -   ^ x

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\63997\Downloads\LPU\CPF - LAB\Activities> cd "c:\Users\63997\Download
s\LPU\CPF - LAB\Activities\" ; if ($?) { g++ Void_OE5.cpp -o Void_OE5 } ; if ($?)
{ .\Void_OE5 }

What would you like to reverse?
Press [1] for string
Press [2] for integer
Press [3] to exit
Enter input : 1
Enter Any String : SYONIP
Reversed String : PINOYS

What would you like to reverse?
Press [1] for string
Press [2] for integer
Press [3] to exit
Enter input : 2

Enter an integer to reverse : 321654987
Reversed integer : 789456123

What would you like to reverse?
Press [1] for string
Press [2] for integer
Press [3] to exit
Enter input : 3
Thank You

PS C:\Users\63997\Downloads\LPU\CPF - LAB\Activities> 

```



IV. PROGRAM SOURCE CODE

```
/*Name : Mike Villegas
Activity Name: OE 5
Description : Void functions and functions with parameters
implementations.
Date : 03/11/21 */

#include <iostream>
using namespace std;

int main(){
    char A[25];
    int input,B1,B2,k=0;
    int RevN = 0, R;

    void reverse(int x);//FUNCTIONS
    {
        for (int S=0; A[S]!='\0';S++)
        {
            k++;
        }

        for (int S= k-1; S>=0; S--)
        {
            cout << A[S];
        }
    }

    do
    {
        //MENU
        cout << "\n ";
        cout << "\nWhat would you like to reverse?" << endl;
        cout << "Press [1] for string " << endl;
        cout << "Press [2] for integer" << endl;
        cout << "Press [3] to exit" << endl;
        cout << "Enter input : ";
        cin >> input;

        while (input < 1 || input > 3)
        {
```

```
        cout << "Please enter a valid choice" << endl;
        cout << "Enter 1, 2, or 3: " << endl;
        cin >> input;
    }

    //Choices
    switch (input)
    {
    case 1:

        cout << "Enter Any String : ";
        cin >> A;

        void reverse(int x); //FUNCTIONS
        {
            for (int S=0; A[S]!='\0';S++)
            {
                k++;
            }
            cout << "Reversed String  : ";

            for (int S= k-1; S>=0; S--)
            {
                cout << A[S];
            }
        }
        break;

    case 2:

        cout << "\nEnter an integer to reverse : ";
        cin >> B1;

        void rev(int y); //FUNCTIONS

        while(B1 !=0){
            R = B1%10;
            RevN = RevN*10 + R;
            B1 /= 10;
        }

        cout << "Reversed integer : " << RevN;
        break;
```



```
case 3:

    cout << "Thank You" << endl;

    break;

default:
    cout << "Please try Again" << endl;
}

}while (input <= 2 && input >= 1); //END LOOP

void rev(int y); // FUNCTIONS

while(B1 !=0){
    R = B1%10;
    RevN = RevN*10 + R;
    B1 /= 10;
}

return 0;
}
```

V. LEARNING OUTCOMES

To be honest I still don't fully understand function call.

VI. REFERENCES (If any...)

<http://www.cplusplus.com/forum/beginner/198906/v>