COLLEGE OF ENGINERING AND COMPUTER STUDIES

OUTCOMES EVALUATION 5

[Void functions and functions with parameters implementations.]

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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	`cin >> input;`	**Input**
Void reverse	`void reverse(int x);`	**Void Reverse**

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 1

Case 2	`cout << "\nEnter an integer to reverse : ";` `cin >> B1;`	**Case 2**

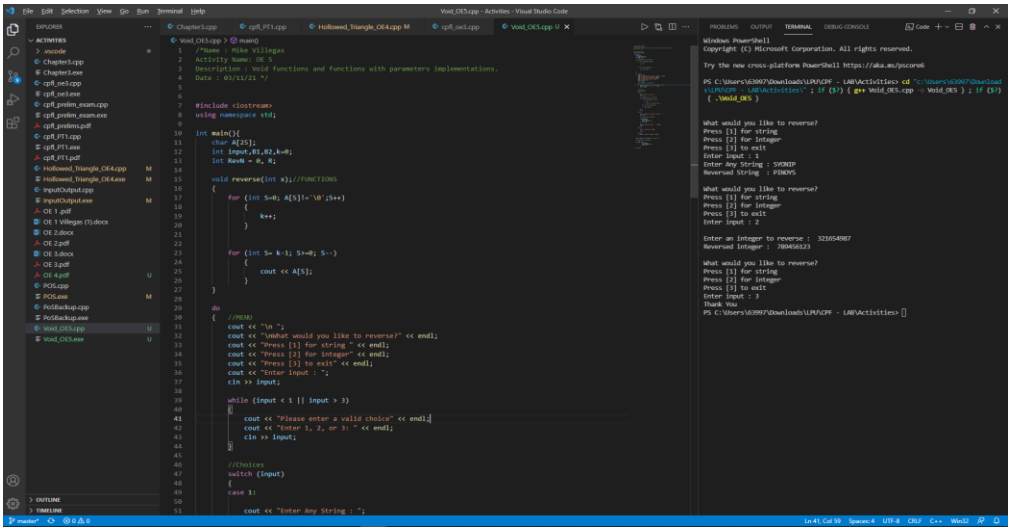
	`void rev(int y);//FUNCTIONS`
	
	`while(B1 !=0){`
	`R = B1%10;`
	`RevN = RevN*10 + R;`
	`B1 /= 10;`
	`}`	

Case 3	`case 3:`
	
	`cout << "Thank You" << endl;`
	
	`break;`
		Case 3

default	`default:` `cout << "Please try Again" << endl;`	**Default**
while	`while (input <= 2 && input >= 1);//END LOOP`	**while**

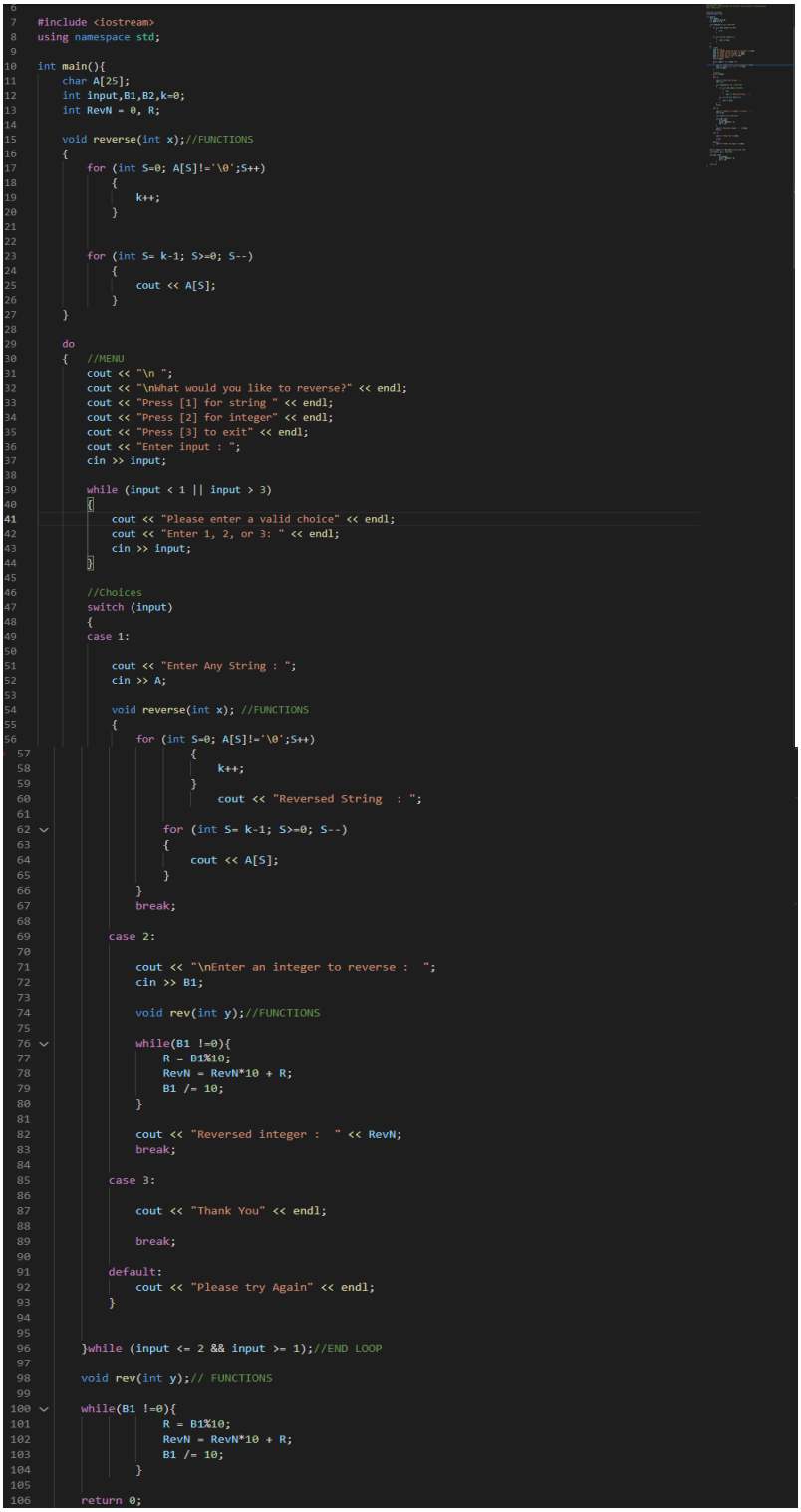
III. SCREEN SHOTS

A. Visual Studio Code



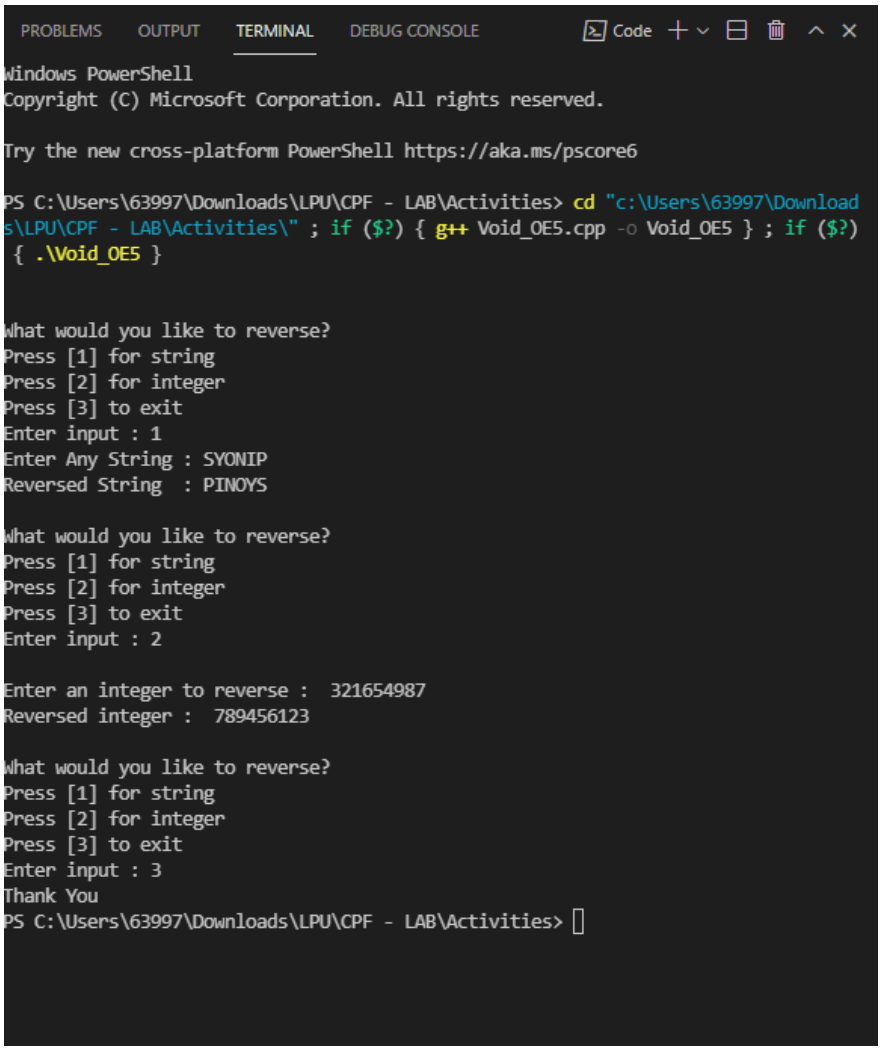
B. Sample Input/Output

INPUT:



```cpp
#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;
```

OUTPUT:


PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
Code
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\63997\Downloads\LPU\CPF - LAB\Activities> cd "c:\Users\63997\Downloads\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