# **C** Programming

# **Assignment 1**

1. Write a c program to evaluate expressions.

#### Program

```
[*] evaexp.c Untitled2.cpp
ug
                #include <stdio.h>
                #include <conio.h>
                main()
         4 -
                 // Defining the variables.
                float a, b, c, x, y, z;
         8
9
10
                // Using Arithmetic operands to calculate.
               x = a - b / 3 + c * 2 -1;

y = a - b / (3 + c) * (2 - 1);

z = a - (b/(3 + c) * 2) - 1;
        14
               printf("x = \%.2f\n", x);
               printf("y = %.2f\n", y);
printf("z - %.2f\n", z);
        18
        19
         20
```

#### Output.

```
C:\Users\amirm\Desktop\C practice\Untitled2.exe

x = 10.00
y = 7.00
z - 4.00

Proje

Process exited after 0.3457 seconds with return value 0
Press any key to continue . . . _
```

2. Write a c program using getchar() and putchar() for character input and output.

Output

```
C:\Users\amirm\Desktop\C practice\Untitled4.exe

Please enter a character : A

A

Process exited after 4.155 seconds with return value 0

Press any key to continue . . . _
```

3. Write a c program using gets() and puts() for string input and output?

## Output.

```
C:\Users\amirm\Desktop\C practice\Untitled5.exe

Please enter a string or character : My name is Amir Maharjan, kirtipur.

The entered string or character is : My name is Amir Maharjan, kirtipur.

Process exited after 14.83 seconds with return value 0

Press any key to continue . . .
```

4. Write a c program to scan one character and two strings: one of 10-character length and another of 20-character length and print them.

Program.

#include<stdio.h>
#include<conio.h>
main()

= {
 char a;
 char b[50];
 char c[60];
 printf("Enter a character : ");
 scanf("%c %c %c", &a, &b, &c );
 printf("The entered character are : \n");
 printf("%c\n", a);
 printf("%c\n", b);
 printf("%c\n", c);
 return 0;
}

## Output

```
C:\Users\amirm\Desktop\C practice\Untitled8.exe

Enter a character : A

mY name is amir.

The entered character are :

A

a

A

Process exited after 11.38 seconds with return value 0

Press any key to continue . . .
```