

## Assignments 1

### Tutorial 1 – Akash R (MCA –A)

- **Exchanging the values of two variables**

```
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$ gcc prog1.c -o prog1
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$ ./prog1
before swaping : x = 10 & y = 20
after swaping : x = 20 & y = 10
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$
```

- **Counting**

```
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$ gcc prog2.c -o prog2
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$ ./prog2
Enter the number you want to count: 10

count starts now
1
2
3
4
5
6
7
8
9
10
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$
```

- **Summation of a set of numbers**

```
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$ ./prog3
Enter a number: 10
Sum = 55
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$
```

- **Factorial computation**

```
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$ ./prog4
enter the number:
5
factorial of 5 is 120
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$
```

- **Generation of the Fibonacci**

```
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog
akash@GamerZ:/mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$ ./prog6
Enter the length of fib series: 10
Fibonacci Series are:
0, 1, 1, 2, 3, 5, 8, 13, 21, 34,
akash@GamerZ:/mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$
```

- **Reversing the digits of an integer**

```
akash@GamerZ:/mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$ ./prog7
Enter an integer: 4532
Reversed number = 2354
akash@GamerZ:/mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$
```

- **Sine Function computation**

```
akash@GamerZ: /mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog
akash@GamerZ:/mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$ gcc prog5.c -o prog5 -lm
akash@GamerZ:/mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$ ./prog5
Enter the value of sin:
30
value of sin(30) is : -0.988032
akash@GamerZ:/mnt/c/Users/akash/downloads/MCA/dldt/tutorial1 prog$
```