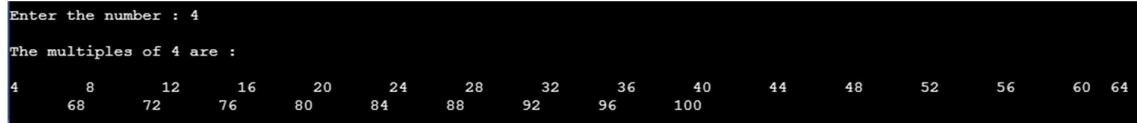


LAB 4 Extra Programs:

1. Develop a C program to print multiples of n from 1 to 100

```
#include <stdio.h>
#include <conio.h>

void main()
{
    int i, n, d ;
    printf("\nEnter the number : ");
    scanf("%d", &d) ;
    n = 100;
    printf("\nThe multiples of %d are :\n\n", d) ;
    for(i = 1 ; i <= n ; i++)
        if(i % d == 0)
            printf("%d\t", i) ;
    getch() ;
}
```

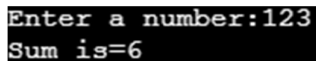
A screenshot of a terminal window showing the output of the first C program. The user has entered the number 4. The program then prints the multiples of 4 from 4 to 100, arranged in two rows. The first row contains 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, and 64. The second row contains 68, 72, 76, 80, 84, 88, 92, 96, and 100.

```
Enter the number : 4
The multiples of 4 are :
4      8      12     16     20     24     28     32     36     40     44     48     52     56     60     64
68     72     76     80     84     88     92     96     100
```

2. Develop a C program to enter a number and calculate the sum of its digits.

```
#include <stdio.h>

int main()
{
    int n, sum=0, m;
    printf("Enter a number:");
    scanf("%d", &n);
    while(n > 0)
    {
        m = n % 10;
        sum = sum + m;
        n = n / 10;
    }
    printf("Sum is=%d", sum);
    return 0;
}
```

A screenshot of a terminal window showing the output of the second C program. The user has entered the number 123. The program then prints the sum of its digits, which is 6.

```
Enter a number:123
Sum is=6
```