

## EE 154 Laboratory 5

### Question 1:

Write a C program to find the factorial of 4 by using function. The output is as follows:

```
Factorial of 4 is: 24
```

Hint: Use the function name “facto” in the form as follows: `int facto(int s)`

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

int facto(int);

int main()
{
    printf("Factorial of 4 is: %d\n", facto(4) );
    getch();
    return 0;
}

int facto(int s)
{
    if(s<=1)
        return 1;
    else
        return s*facto(s-1) ;
}
```

## Question 2:

Write a C program to find the average of 2 and 3 by using function. The output is as follows:

```
average: 2.500000
```

Hint: Use the function name “average” in the form as follows: `float average(int s, int t)`

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

float average(int, int);

int main()
{
    int a=2;
    int b=3 ;
    float result;

    result = average(a,b);

    printf("average: %f\n",result);

    getch();
    return 0;
}

float average(int s, int t)
{
    float avg;
    avg=(float)(s+t)/2;
    return avg;
}
```