

Pre-lab questions:

1. What is the output of the following program? Please predict and then try.

```
int main()
{
    int i = 0, j = 0;
    for (i = 0; i < 7; i++)
    {
        for (j = 0; j < 6; j++)
        {
            printf("i=0 \n");
            if (i > 1)
                break;
        }
        printf("nested time \n");
    }
    return 0;
}
```

2. Write a function to find the square of a number. The input is the number itself and the output is its square.

3. Write a main function to find the sum of the series  $1!/1+2!/2+3!/3+4!/4+5!/5$ . A function should be defined calculating  $n!$ .