

# Lab 4

# Task 14

Write a program to calculate and output the sum of the even numbers from 1 to 100 (inclusive) and the sum of odd numbers from 1 to 100 (inclusive).

# Task 15

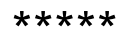
Write a program using *nested for* statement to print out the following pattern

```
*****  
*****  
*****  
****  
***  
**  
*
```


# Task 16

Write a program using *nested for* statement to print out the following pattern

```
*****  
  
=====
```



```
****
```



```
==
```

```
*
```

# Task 17

Write a program to add all the positive integers which satisfy all the following conditions:

1. under 1000,
2. multiple of 5, and
3. not multiple of 7.

For example:

10 should be added, but 14, 35, 1000 should not be added.

# Task 18

Write a program using *nested for* statement to print out the following pattern

```
*****  
*****~  
*****~~  
****~~~  
***~~~~  
**~~~~~  
*~~~~~~
```

# Add info about a program

At the top of each program, add the information (comments in **red**). It is also required for **EACH lab program** in this semester.

```
// Programmer: .....  
// Student ID: .....  
// Date:....  
// Task no: Week_#_Task_#  
// Requirements: .....  
#include<stdio.h>  
int main()  
{  
    .....  
}
```

# Submission

- Compressed \*.cpp into one file with file name in the format *Lab4\_#####.zip* and submit it into iSpace.
- All .cpp files must be able to run under Visual 2010 C++ Express. The outputs will be checked against the outputs under Visual 2010 C++ Express