

- 5.2 Try to walkthrough the following program and write down the expected results. Key-in the program and compare the results after execution. This program shows the change of values of index in a *nested for* loop.

```
/* This program prints a list of numbers by using the for loops */
#include <stdio.h>

int main (void)
{
    int Sum;
    int i;
    int j;

    for (i=1; i<=3; i++)
        for (j=1; j<=4; j++)
        {
            Sum = i+j;
            printf("\ni = %d, j = %d, i + j = %d", i, j, Sum);
        }

    printf("\n\nEnd of Program");
    printf("\n");

    return 0;
}
```

Sample running :