

# Lab 06 Tasks

## Task 01

Write a program that uses a loop to calculate the first ten numbers of Fibonacci sequence.

## Task 02

Write a program that uses a nested loop to implement following patterns.

1111	4321	1234
111	321	123
11	21	12
1	1	1

## Task 03

Write program that declares the arrays, `EmployeeId`, `EmployeeBirthYear` and `EmployeeAnnualSalary`, each of type `WORD`, to get input for **five employees** from user. Your task is to get all the Employee IDs and store in the `EmployeeId` array. The same goes with `EmployeeBirthYear` and `EmployeeAnnualSalary`. All these user inputs must be **numerical values**. Also, declare some prompt messages to organize your program. Use loops to get input and output the arrays. Finally, calculate the summation of annual salary of all the employees. The final output should be similar to the following sample output:

```
Enter Employee ID of 5 Employees
551
552
553
554
555
Enter Birth Year of 5 Employees:
1995
1996
1997
1998
1999
Enter Annual Salary of 5 Employees:
20000
50000
60000
80000
30000

Entered Employee IDs
551
552
553
554
555

Entered Birth Years:
```

```
1995
1996
1997
1998
1999
```

```
Entered Annual Salary:
```

```
20000
50000
60000
14464
30000
```

```
Sum of all Employee Salaries:
```

```
174464
```

## Task 04

Initialize an array named `Source` and use a loop with indexed addressing to copy a string represented as an array of bytes with a null terminator value in an array named as `Target`.