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 111 11 1	4321 321 21 1	1234 123 12 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
556
Enter Birth Year of 5 Employees:
1995
1996
1997
1998
2000
Enter Annual Salary of 5 Employees:
20000
30000
40000
50000
60000

Entered Employee IDs
551
552
553
554
556

Entered Birth Years:
```

```
1995
1996
1997
1998
2000

Entered Annual Salary:
20000
30000
40000
50000
60000

Sum of all Employee Salaries:
200000
```

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`.

Task 05

Initialize a double word array consisting of elements `8,5,1,2,6`. Sort the given array in ascending order using bubble sort.