



**Sri Lanka Institute of Information Technology**  
**B. Sc (Hons). Degree in IT**  
**Year 1 – Semester 1 – 2020 – September Intake**  
**Introduction To Programming ( IT1010)**  
**Online 2**  
**Version A**

**Time : 1 hour 15 min**

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- 1) Write a C program that uses nested loops to print the following figure.

```
a
bb
ccc
dddd
eeee
```

Note that ASCII value of 'a' is 97

(10 marks)

Save your program as **ITXXXXXXa.c**

- 2) You are asked to write a C program to calculate the increment given for the employees.

Write a function called **calcIncrement()** to calculate and return the increment given for the employees. The increment amount is 10% of the salary. Increment is given only to the employees who worked more than 2 years . Function prototype is given below.

```
float calcIncrement(float salary, int noofYearsWorked);
```

Write a function called **calcTotSalary()** to calculate the total salary.  
(total salary = salary + increment ).

```
float calcTotSalary(float salary, float increment);
```

In your main function enter the salary of an employee and the number of years worked from the keyboard. Display the increment and total salary as follows using the functions created above.

```
Enter Salary : .....
Enter no of years worked: .....
Increment: .....
Total Salary :.....
```

(10 marks)

Save your program as **ITXXXXXXb.c**