

ID1063 Lab Exam One

CS

Time: 3 hours

Total Marks: 15
(Q1: 4 marks, Q2: 5 marks, Q3: 6 marks)

1. Write a program that accepts a number in $\{1, 2, \dots, 999\}$ and spells it in English. Example run:

Enter the number: 245

The number is two hundred and forty five.

2. Write a program to accept an integer n and display a triangle with each side having n '*' symbols.

Example run:

Enter the value of n: 5

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

3. Write a program to accept a positive integer $n \in \{1, 2, \dots, 1000\}$ and print the value of $n!$. Hint: use an array to store the digits of large numbers.