


National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Programming Fundamentals	Course Code:	
	Degree Program:	BS (CS)	Semester:	Fall 2022
	Exam Duration:	15 Minutes	Total Marks:	15
	Quiz Date:	11-Oct-2022	Weight	
	Section:	1H	Page(s):	3
	Exam Type:	Quiz-IV	CLO	1, 2,3,4

Student : Name: _____ **Roll No.** _____ **Section:** _____

Question 1: Write the output of the program. IF there is any error, please correct that error and display the result after correction. 5 marks

<pre>#include <iostream> using namespace std; int main() { int rows, coef = 1; rows=5; for(int i = 0; i < rows; i++) { for(int space = 1; space <= rows-i; space++) cout <<" "; for(int j = 0; j <= i; j++) { if (j == 0 i == 0) coef = 1; else coef = coef*(i-j+1)/j; cout << coef << " "; } cout << endl; } return 0; }</pre>	<p>Output</p>
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Question 2:

Input Format

You will be given two positive integers, a and b ($a \leq b$), separated by a newline.

Output Format

For each integer n in the inclusive interval $[a, b]$:

- If $1 \leq n \leq 9$, then print the English representation of it in lowercase. That is "one" for 1, "two" for 2, and so on.
- Else if $n > 9$ and it is an even number, then print "even".
- Else if $n > 9$ and it is an odd number, then print "odd".

Note: $[a, b] = \{x \in \mathbb{Z} \mid a \leq x \leq b\} = \{a, a + 1, \dots, b\}$

Input:	Output
Enter values: 8 11	eight nine even odd
Enter values: 10 12	eight nine even odd

