A - Hello World!!

All the programmers' coding life started with printing the text "Hello World". In this problem you are asked to do the same.

Input

The first line of input will contain an integer, **T(<=50)** the number of test cases.
Each case contains an integer N (where **N<=100**).

Output

For each test case, print "Case x:" where x is the case number. Then print a new line ('\n'). Then print the text "Hello World!!" without quotes for N times each on a separate line.

Sample Input	Sample Output
2 3 5	Case 1: Hello World!! Hello World!! Hello World!! Case 2: Hello World!! Hello World!! Hello World!! Hello World!! Hello World!!