CSDC101.ZC11 Fundamentals of Computing
Laboratory Exercise 4

PERFECT SCORE: 10/10
PASSING SCORE: 6/10

PROBLEMS

1) **Summing Integers** (3 points)

Sam likes you to sum up all the integers that he's got!

INPUT FORMAT
Input begins with an integer `N` indicating how many integers (`n`) follow for which the sum will be computed. Each value is separated by a newline character.

OUTPUT FORMAT
Output the computed sum.

PROGRAM SPECIFICATION
Use a **for-loop** for this problem.

CONSTRAINTS
```
1 <= N <= 100
-1000 <= n <= 1000
```

SAMPLE INPUT
```
5
100
200
300
400
500
```

SAMPLE OUTPUT
```
1500
```

2) **Product of Odd Integers** (3 points)

Isabelle's math homework requires her to find the product of odd numbers in a list. The problem is, she doesn't know how to determine which numbers are odd! So, she asked for your help.

INPUT FORMAT
Input consists of an arbitrary sequence of positive integers whose values can be from 1 to 100. Input values are separated by a newline and is terminated by any negative value.

*Note: Assume that there is **always** at least one (1) odd value in the input.*

OUTPUT FORMAT
Print the product of all odd numbers found in the list.

SAMPLE INPUT
```
9
7
19
28
12
-8
```

SAMPLE OUTPUT
```
1197
```

3) **Box (3 points)**

Draw a box the size of which is given by your niece, Lulu.

INPUT FORMAT
Input contains a pair of integer **n** and character **ch**, where **n** denotes the length and width of the box and **ch** is the character that will be used to draw it.

OUTPUT FORMAT
Print a box using **ch** whose length and width are equal to **n**.

CONSTRAINTS
```
2 <= n <= 100
ch could be any character
```

SAMPLE INPUT
```
7 @
```

SAMPLE OUTPUT
```
@@@@@@@
@@@@@@@
@@@@@@@
@@@@@@@
@@@@@@@
@@@@@@@
@@@@@@@
```

4) **Boxes (5 points)**

Draw boxes the sizes of which are given by your nephew, Iggy. But, he has conditions. He only wants you to draw a box if its size is 7 or is even. If 7, he wants you double its size.

INPUT FORMAT
Input begins with an integer **N** denoting how many **n** and **ch** pairs follow. Succeeding lines are **n** and **ch** pairs where **n** denotes the size (i.e. length and width) of the box and **ch** is the character that will be used to draw it.

OUTPUT FORMAT
Draw the boxes based on the conditions given by Iggy above. The boxes must be separated by one empty line.

CONSTRAINTS
```
1 <= N <= 100
2 <= n <= 100
ch could be any character
```

SAMPLE INPUT
```
2
6 *
8 $
```

SAMPLE OUTPUT
```
******
******
******
******
******
******

$$$$$$$$
$$$$$$$$
$$$$$$$$
$$$$$$$$
$$$$$$$$
$$$$$$$$
$$$$$$$$
$$$$$$$$
```

5) **Find 'N' (3 points)**

Betty sought your help to find '**N**'.

INPUT FORMAT
Input begins with an integer **N** denoting how many characters are found in the input. Succeeding lines are **N** characters **ch**.

OUTPUT FORMAT
Print "**Found it!**" if '**N**' is in the input. Otherwise, print "**Sorry!**".

CONSTRAINTS
```
1 <= N <= 100
ch could be any character
```

SAMPLE INPUT

```
3
a
N
2
```

SAMPLE OUTPUT

```
Found it!
```