





# Practice Arena

Practice problems aimed to improve your coding skills.


 PRACTICE-02\_SCAN-PRINT

 PRACTICE-03\_TYPES


 LAB-PRAC-02\_SCAN-PRINT


 Mr C goes on a diet


 Permute Password


 Escapes around Tutors

 Amusing Fractions

 P and C

 Build a Rhombus

 Developing Interest at IITK

 Pick your Choice

 Lego Safe

 Race Car

 Reverse Gear


 Numerical Flowers

 LAB-PRAC-01


 PRACTICE-04\_COND


 BONUS-PRAC-02

 LAB-PRAC-03\_TYPES


 PRACTICE-05\_COND-LOOPS

 LAB-PRAC-04\_COND


 LAB-PRAC-05\_CONDLOOPS


 PRACTICE-07\_LOOPS-ARR


 LAB-PRAC-06\_LOOPS


 LAB-PRAC-07\_LOOPS-ARR


 LABEXAM-PRAC-01\_MIDSEM


 PRACTICE-09\_PTR-MAT


 LAB-PRAC-08\_ARR-STR


 PRACTICE-10\_MAT-FUN

 LAB-PRAC-09\_PTR-MAT


 LAB-PRAC-10\_MAT-FUN


 PRACTICE-11\_FUN-PTR

 LAB-PRAC-11\_FUN-PTR

 LAB-PRAC-12\_FUN-STRUC

 LABEXAM-PRAC-02\_ENDSEM

 LAB-PRAC-13\_STRUC-NUM

 LAB-PRAC-14\_SORT-MISC

# Lego Safe

## LAB-PRAC-02\_SCAN-PRINT

**Lego Safe [10 marks]****Problem Statement**

Your friend wants to give you a secret digit. The digit is confidential and he would like you to store it in a safe. This safe has to be made using lego blocks. To assure him that you'll keep the digit perfectly secret, you have to send him a image of the safe with the number kept inside it. Following is an empty secure safe.

```
 /---\  
|%%%|  
|% %|  
|%%%|  
 \---/
```

If the number 5 is kept inside, the safe should look like the following

```
 /---\  
|%%%|  
|%5%|  
|%%%|  
 \---/
```

**Caution**

1. Take good care not to have extra/missing spaces or extra/missing lines in your output. These will fail an exact match and the autograder will give you a zero.
2. Do not use any library other than stdio.h
3. The code to take in an input (using scanf) has already been provided to you.

**HINTS:** Use the visible test cases to make sure you do not have any extra/missing lines or extra/missing spaces.

**EXAMPLE:****INPUT:**

5

**OUTPUT:**

```
 /---\  
|%%%|  
|%5%|  
|%%%|  
 \---/
```

**Grading Scheme:**

Total marks: **[10 Points]**

There will be no partial grading in this question. An exact match will receive full marks whereas an incomplete match will receive 0 marks. Please be careful of missing/extra spaces and missing/lines (take help of visible test cases). Each visible test case is worth 2 points and each hidden test case is worth 4 points. There is 1 visible and 2 hidden test cases.

 **Start Solving! (/editor/practice/5957)**