

CS110: Computing Lab

Department of CSE

IIT Guwahati

Module 02 Stage 01 Exercise 6

A game of tic-tac-toe has a board of 3 rows and 3 columns. During a game the positions on the board are either unoccupied or have a single character. The only valid characters in a position are ' ', 'O' and 'X'. To avoid confusion in the input of a board position, we will mark the unoccupied position by character '?' in the input.

Write a program that reads three input lines (rows) of 5 characters each. The characters in the line keyed-in from a key-board at positions 2 and 4 are always spaces; other characters in each input line are 'O', 'X' or '?'. You will convert input char '?' to space by using conditional expressions.

After reading the input, print the board in character graphics. Here is a sample output your program must write.

```

      |      |
X    |      O    |
      |      |
-----
      |      |
O    |      X    |      X
      |      |
-----
      |      |
X    |      O    |      O
      |      |
```