Birthday Paradox - Find your

What's your favourite movie?

(unit?unit=78&lesson=96)

Guess the Movie Name 01

Guess the Movie Name 02

unit=78&lesson=95)





NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » The Joy of Computing using Python (course)

Announcements (announcements) About the Course (preview) Ask a Question (forum) Progress (student/home) Mentor (student/mentor)

## **Programming Assignments 1: Matrix** Course outline Due on 2020-10-15, 23:59 IST You saw how to create Magic Square of different sizes. It is very important to understand the way the matrices are represented and How does an NPTEL online printed in python. course work? In this assignment, you will be provided with the number of rows i.e. r and columns i.e. c as the input and your job is to create a Week 1 Also, the matrix should have elements starting from 1 to rxc with an increment of one in row manner. Week 2 Example: Week 3 if r = 2 and c = 3then the output is week 4 123 Practice is the key (unit? 456 unit=78&lesson=79) Input Format: Magic Square: Hit and Trial 01 (unit?unit=78&lesson=80) Two numbers **r** and **c** in a single line separated by a space. Magic Square: Hit and Trial 02 **Output Format:** Elements of the generated matrix. Magic Square: Hit and Trial 03 Each row should be printed in a new line with each element separated by a space. Example: Magic Square: Hit and Trial 04 (unit?unit=78&lesson=83) Input: Magic Square: Hit and Trial 05 (unit?unit=78&lesson=84) Let's program and play (unit? **Output:** 1234 5678 unit=78&lesson=85) Dobble Game - Spot the 9 10 11 12 similarity 01 (unit? unit=78&lesson=86) Dobble Game - Spot the In this example the number of rows i.e. $\mathbf{r}$ is 3 and the number of columns is i.e. $\mathbf{c}$ is 4. similarity 02 (unit? Therefore the size of the matrix is 3x4 which is 12. Which means it should have 12 elements starting from 1. unit=78&lesson=87) It should be printed in row manner i.e. the first element should be at the first row and first column, second element at first row and ODobble Game - Spot the second column and so on. similarity 03 (unit? unit=78&lesson=88) NOTE: There should not be any extra space after the elements of the last column and no extra newline after the last row of the Dobble Game - Spot the similarity 04 (unit? Your last recorded submission was on 2020-10-05, 14:40 IST Select the Language for this assignment. Python3 > What is your date of birth? 1 rows, columns = [int(x) for x in input().split()] (unit?unit=78&lesson=90) 3 matrix=[] Birthday Paradox - Find your 5 row=[] twin 01 (unit? counter = 1 for i in range(rows): row=[] for j in range(columns): row.append(counter) counter = counter + 1 matrix.append(row) Birthday Paradox - Find your 10 11 12 13 14 15 twin 02 (unit? unit=78&lesson=92) Birthday Paradox - Find your twin 03 (unit? for i in range(rows): for j in range(columns): if j!=(columns-1): print(matrix[i][j],end=" ") 16 17 18 19 20 21 22 23 unit=78&lesson=93) Birthday Paradox - Find your else: print(matrix[i][j],end="") if i!=(rows-1): print() twin 04 (unit? unit=78&lesson=94)

You may submit any number of times before the due date. The final submission will be considered for grading.

not be graded and you will not see your score after the deadline.

Private Test cases used for Evaluation

Test Case 1

This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will

Save as Draft

be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program, your assignment will

Compile & Run

Status

Submit

Quiz : Assignment 4 (assessment?name=296)
Programming Assignment 3: Order in Randomness (/noc20_cs83/progassignment? name=288)
Programming Assignment - 2: Large Numbers (/noc20_cs83/progassignment? name=287)
<ul> <li>Programming Assignments</li> <li>1: Matrix (/noc20_cs83/progassignmen name=286)</li> </ul>
Guess the Movie Name 06 (unit?unit=78&lesson=102)
Guess the Movie Name 05 (unit?unit=78&lesson=101)
Guess the Movie Name 04 (unit?unit=78&lesson=100)
Guess the Movie Name 03 (unit?unit=78&lesson=99)

Books

Test Case 2	Passed	
Test Case 3	Passed	