

Part3 - Tic Tac Toe

Player 1 (X), enter your move (row, col): 1 1

```
_ _ _  
_ X _  
_ _ _
```

Player 2 (O), enter your move (row, col): 1 1

Enter legal move!

Player 2 (O), enter your move (row, col): 0 1

```
_ O _  
_ X _  
_ _ _
```

Player 1 (X), enter your move (row, col): 2 0

```
_ O _  
_ X _  
X _ _
```

Player 2 (O), enter your move (row, col): 0 2

```
_ O O  
_ X _  
X _ _
```

Player 1 (X), enter your move (row, col): 0 0

```
X O O  
_ X _  
X _ _
```

Player 2 (O), enter your move (row, col): 1 0

```
X O O  
O X _  
X _ _
```

Player 1 (X), enter your move (row, col): 2 2

```
X O O  
O X _  
X _ X
```

Player X wins!

Do you want to play again (y/n)? n

Part2 - Color Mixer

Enter color 1 (r,g,b,y,o): r

Enter color 2 (r,g,b,y,o): g

Mixed Color: YELLOW [0.5, 0.5, 0.0]

Part3 - Tic Tac Toe

Player 1 (X), enter your move (row, col): 0 0

```
X _ _  
_ _ _  
_ _ _
```

Player 2 (O), enter your move (row, col): 2 0

```
X _ _  
_ _ _  
O _ _
```

Player 1 (X), enter your move (row, col): 0 1

```
X X _  
_ _ _  
O _ _
```

Player 2 (O), enter your move (row, col): 1 1

```
X X _  
_ O _  
O _ _
```

Player 1 (X), enter your move (row, col): 0 2

```
X X X  
_ O _  
O _ _
```

Player X wins!

Do you want to play again (y/n)? n

Enter the file name: text.txt
Part1 - Letter Frequency

A: 44
B: 6
C: 4
D: 23
E: 80
F: 10
G: 13
H: 32
I: 36
J: 1
K: 6
L: 23
M: 17
N: 38
O: 32
P: 14
Q: 0
R: 45
S: 50
T: 57
U: 15
V: 7
W: 14
X: 0
Y: 10
Z: 0

text.txt

With pleasure, I shall craft a verse,
To paint a picture, to immerse
In words that flow like gentle streams,
And bring to life our wildest dreams.

Let's start with nature, so serene,
A forest lush, a meadow green,
Where flowers bloom and birds take flight,
And sunbeams sparkle with delight.

Then let us move to human hearts,
Where love and courage play their parts,
Where friendship thrives and kindness reigns,
And hope endures through trials and pains.

And in the end, let's not forget,
The mysteries we've not grasped yet,
The secrets that the universe hides,
The stars that twinkle in the skies.

So here's my poem, simple and true,
A tapestry of thoughts for you,
May it inspire and bring some joy,
To every woman, man, girl and boy.