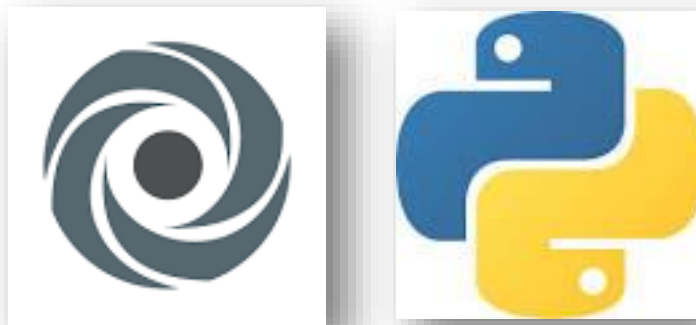


PORTFOLIO EXPLANATION

Coding Club Python Basic Programming

I have learned basic python before entering the University. Where my high school was, there was a coding club, and I chose to join there because I was interested in programming and computers. Therefore, this is my first best project that I have made.

I use **Repl.it** which is a site service that provides tools such as an online compiler to translate human-typed programming languages. However, he has service tools for coding IDE where we can create programs or applications with the programming language provided by Repl.it. One of them is Python language.



Resources: <https://replit.com/~> || <https://www.python.org/>

In making this small project, here are my own roles:

- Learn about the new programming language python.
- Find out information and main sources in making python projects.
- Learn basic concepts of python outside of coding club activities.

I faced many challenges that are difficult to solve, including:

- Difficulty in problem-solving in some parts of the source code.

How do I solve these problems above?

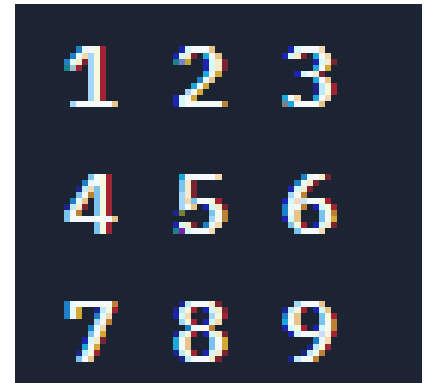
- Did trial and error until the output is in accordance based on the project.

DEMO EXPLANATION

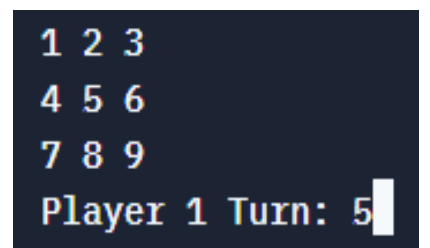
1. Tic Tac Toe (<https://replit.com/@WhitneyJusuf/TicTacToe#main.py>)

Here is the preview of the Tic Tac Toe game. There are numbers in each row and column from numbers 1-9 and the user is asked to choose one of these numbers to start the game.

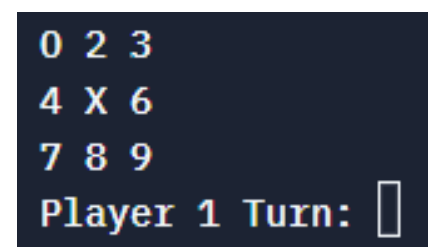
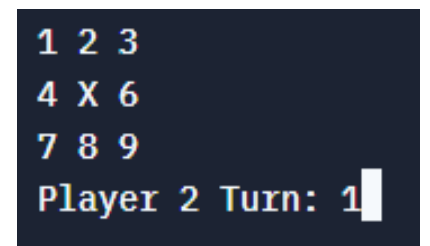
This game must be played by two users.



For example, User A chose the number 5. The system will automatically change the number 5 using the symbol “X”.



User B will continue to choose the number, except 5. For example, User B Choose number 1. The system will automatically change the number 1 using the symbol “O”.



If the user selects menu 2, several rows and columns will appear which are assumed to be cinema seats. When it's done, the user is directed back to the main menu by pressing the enter.

```
[ ' ' ' ' ' ' ' ' ' ' ]
[ ' ' ' ' ' ' ' ' ' ' ]
[ ' ' ' ' ' ' ' ' ' ' ]
[ ' ' ' ' ' ' ' ' ' ' ]
Baris ke berapa?3
Kursi ke berapa?5
Kursi itu belum dibooking

Ketik enter untuk kembali ke menu
```

If the user selects menu 3, Users are asked to fill in rows and seats they want to cancel. When it's done, The systems shows the output of the cancel booking.

```
[ ' ' ' ' ' ' ' ' ' ' ]
[ ' ' ' ' ' ' ' ' ' ' ]
[ ' ' ' ' ' ' ' ' ' ' ]
[ ' ' ' ' ' ' ' ' ' ' ]
Baris ke berapa?2
Kursi ke berapa?4
Anda telah membatalkan booking kursi baris ke-2, kursi ke 4
```

If the user selects menu 4, the system will automatically cancel all previous bookings. Systems will ask user to press enter to go back to the main menu.

```
1. Booking
2. Check
3. Cancel 1 Booking
4. Cancel All Booking
5. Exit
Input:4
All booking have been canceled.

Ketik enter untuk kembali ke menu
```

If the user selects menu 5, the system will automatically close the application.

```
1. Booking
2. Check
3. Cancel 1 Booking
4. Cancel All Booking
5. Exit
Input:5
>
```

3. Math Basic Quiz (<https://replit.com/@WhitneyJusuf/soal-math-quiz#main.py>)

Math Basic Quiz is an addition method using **random** numbers in python.

```
2 + 2 + 10 + 3 = ?  
a. 17  
b. 18  
c. 16  
Jawab [a/b/c]: 
```

If we choose the **correct answer** among the 3 choices, the system will print that the answer is correct. And directs the user to click enter to continue to a new question.

```
2 + 2 + 10 + 3 = ?  
a. 17  
b. 18  
c. 16  
Jawab [a/b/c]: a  
YES, BENAR!!  
Tekan enter untuk lanjut ke soal baru..
```

If we choose the wrong answer among the 3 choices, the system will print that the answer is incorrect. And directs the user to click enter to continue to a new question.

```
1 + 5 + 1 + 1 = ?  
a. 9  
b. 8  
c. 7  
Jawab [a/b/c]: c  
Hmmm, KURANG TEPAT.  
Tekan enter untuk lanjut ke soal baru..
```

--- Thank You ---