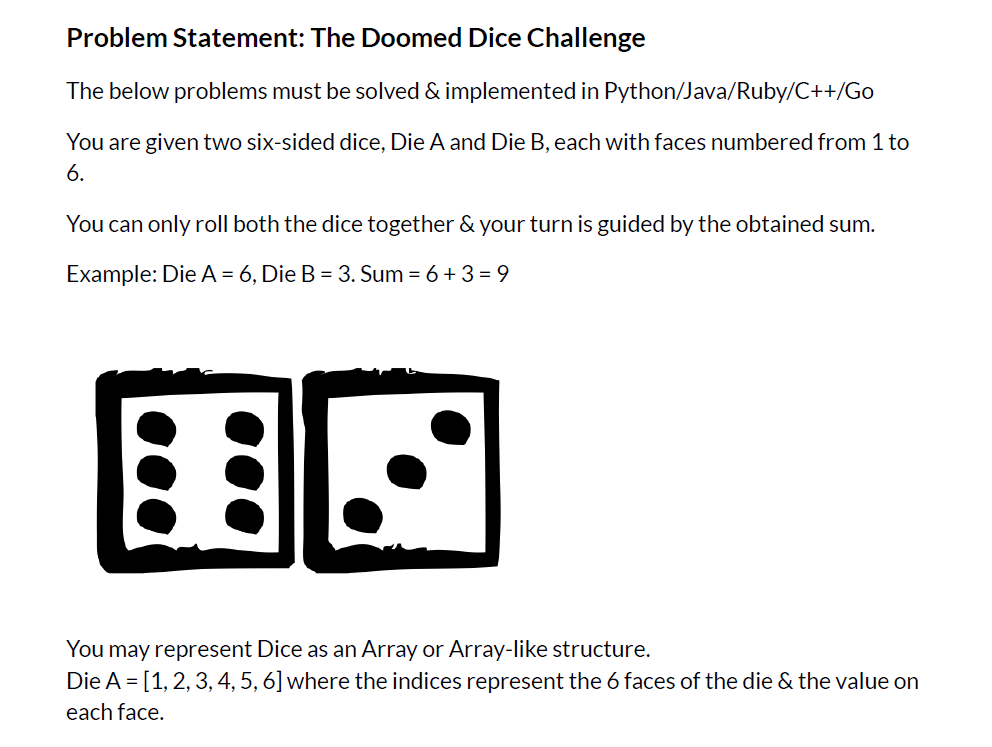
**SECURIN**

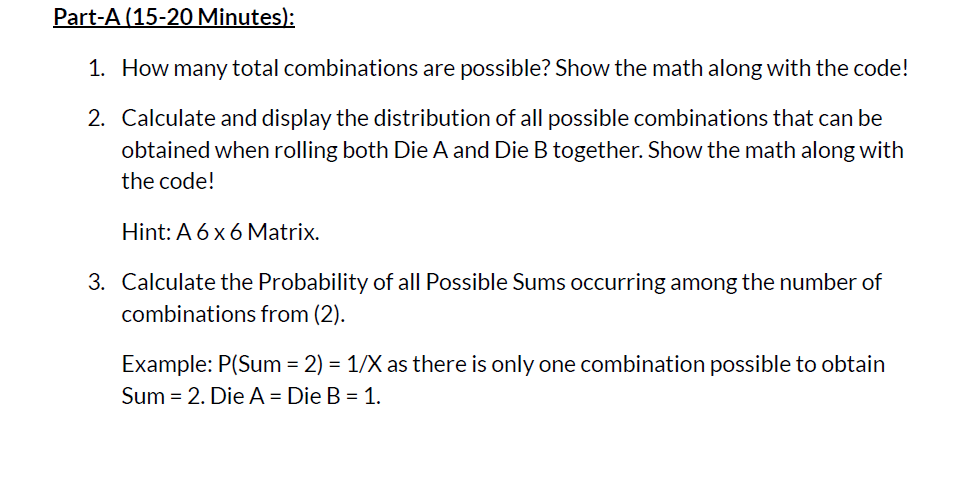
**P DHARSHANA SHRI**

**3rd Year CS Student**

**SVCE**

**GITHUB LINK :** [**https://github.com/ShriDharshana25/Doomed\_Dice**](https://github.com/ShriDharshana25/Doomed_Dice)





1.

Need to find the count of total number of possibilities

This can also be done by squaring the number of possibilities of a single dice sides . So, that the Total\_combinations=36

2.

Create a two dimensional array for the distribution of all possible combinations

Using the for loop and arithmetic operators, calculate the value for the die\_a and die\_b

Assign the possible combinations of two dice to the distribution matrix and print the combination using the for loop

3.

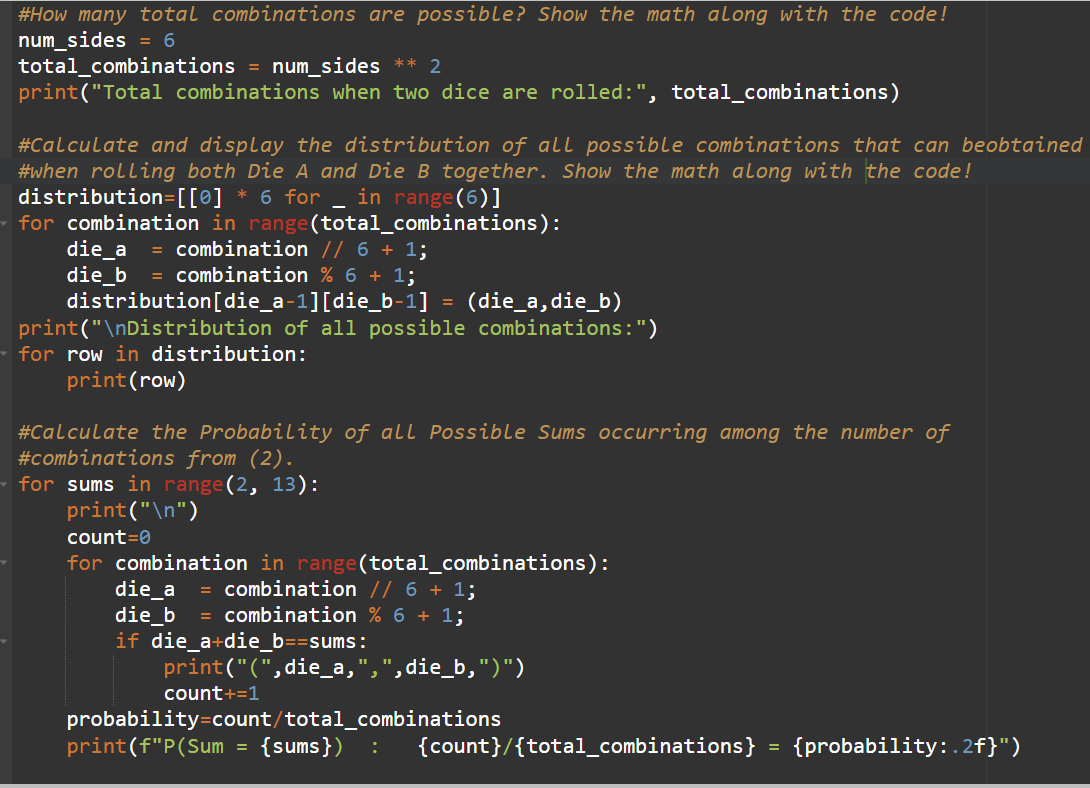
The sum of all combination must be between 2 to 9

If the sum of two dices equal to any number between 2 to 9 , count should be incremented

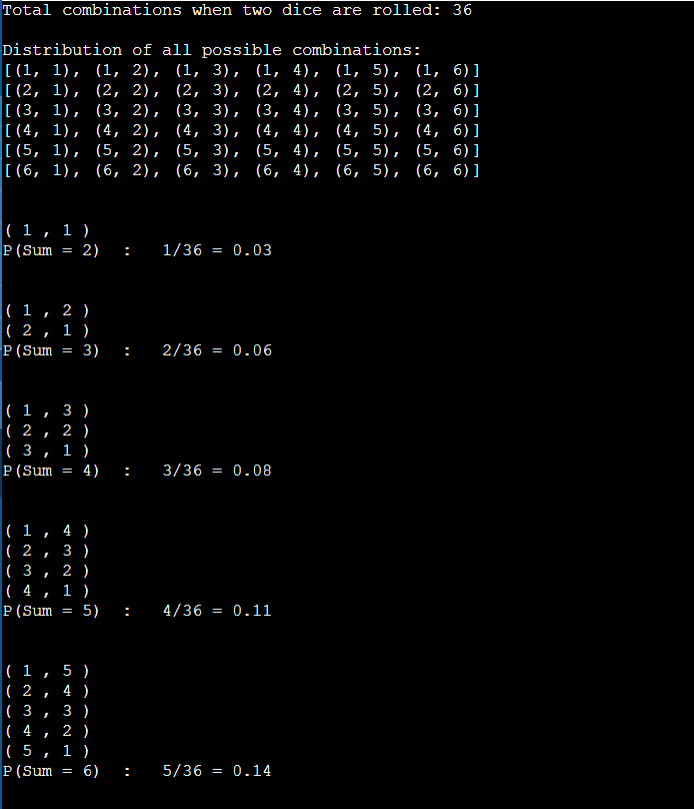
And print the possible combination along with the sum and probability

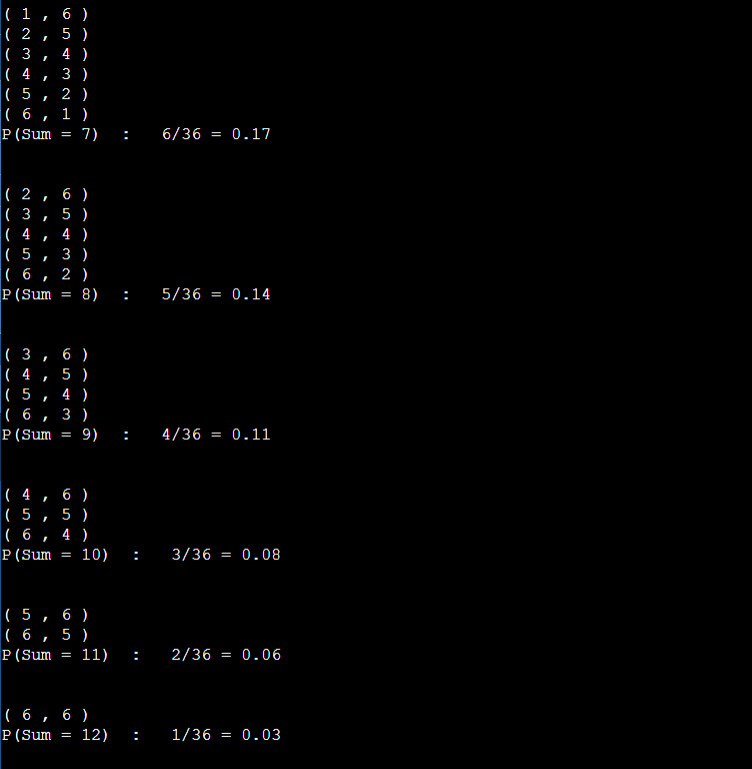
Probability=count/total\_combinations

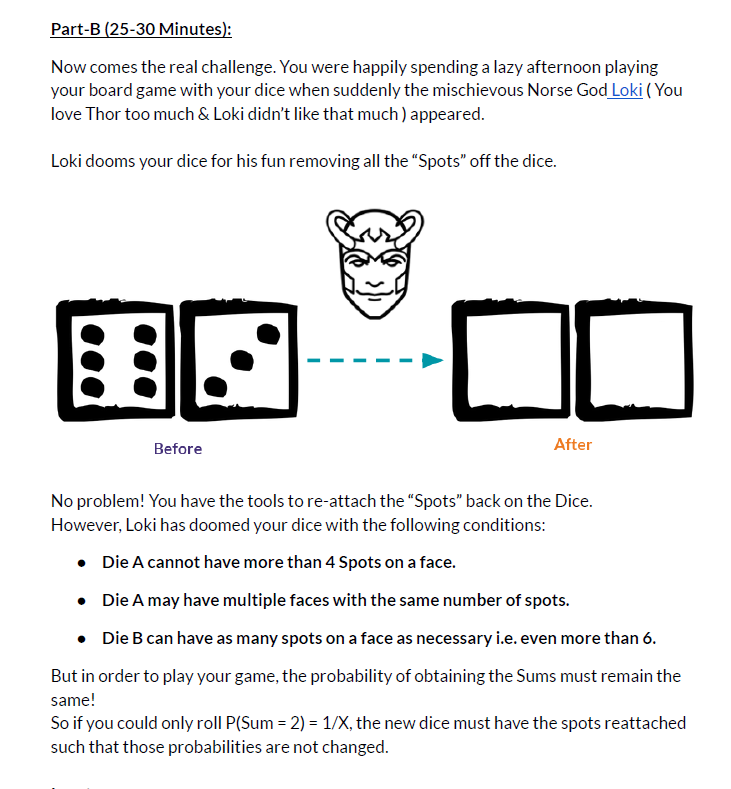
Part\_A\_Solution.py



OUTPUT:







1.

Need to find the count of total number of possibilities

This can also be done by squaring the number of possibilities of a single dice sides . So, that the Total\_combinations=36

Initially,

die\_a=[1,2,3,4,5,6]

die\_a=die\_b

2.

Create undoon dice function to create a new two dices

For new\_die\_a, using a min function to duplicate the spot 4 to all other spots which is greater than the 4

new\_die\_a=[1,2,3,4,4,4]

For new\_die\_a, using a min function to duplicate the spot 6 to all other spots which is greater than the 6

new\_die\_a=[1,2,3,4,5,6]

3.

Create a two dimensional array for the distribution of all possible combinations

Using the for loop and arithmetic operators, calculate the value for the new\_die\_a and new\_die\_b

Assign the possible combinations of new two dice to the distribution matrix and print the combination using the for loop

4..

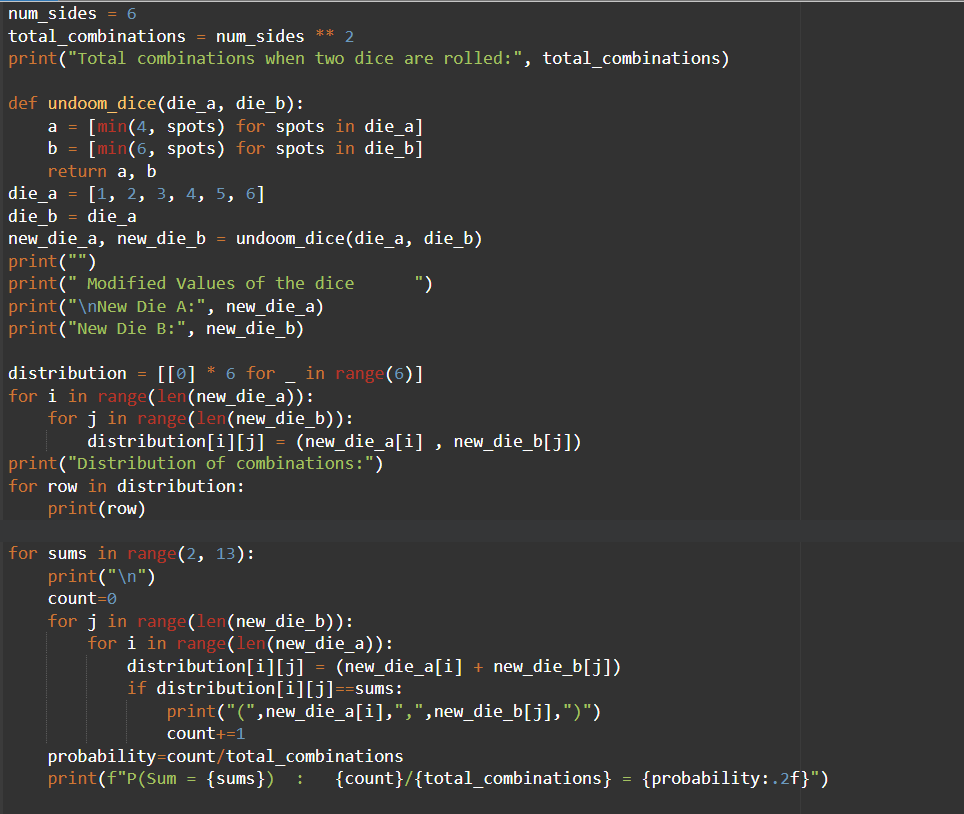
The sum of all combination new dice must be between 2 to 9

If the sum of two new dices equal to any number between 2 to 9 , count should be incremented

And print the possible combination along with the sum and probability

Probability=count/total\_combinations

Part\_B\_Solution.py



OUTPUT

