

## Intelligent Traffic Signal System for Ambulance Priority Using GPS

Write a python code

Generates a random number between 1 and 6, simulating a dice roll.  
when the same code is simulated in 2 systems at a time, output should not be the same.

```
import random
import time

def roll_dice():
    time.sleep(random.random())
    return random.randint(1, 6)
print(f"Dice Roll: {roll_dice()}")
```

Why did I use random.randint(1,6)  
It generates random integer between 1 and 6

Why did i use random.random()  
It minimises the chance of generating the same result in both systems.

Why time.sleep()?  
To create a small random delay at random.random()  
Which generates a random number between 0 and 1.

In conclusion time.sleep(random.random()) reduces the chances of having same output on two different systems.

In case of prioritisation to save life, a pregnant woman or a 40 years old mother of 2 children?????. Justify.

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This is gonna be a hard one to answer. Life is important. I am no god to decide who should survive, but I will try to make a wise decision based on the question in my opinion. If it comes to a life saving situation I will save the pregnant women. If I save pregnant women it means I am saving 2 lives. Not only that but I guess the children of the 40 year old are not infants and I know it's hard but they will be able to survive on their own. The cruelty and pain of the pregnant women is much higher when compared to the 40 year old mother. The husband of the 40 year old mother loses his wife but the husband of the pregnant women loses his wife and child and the rate of getting hurt is much higher for the pregnant lady's husband. I strongly believe that if I try to help the 40 year old mother she will ask me to help the pregnant lady first because she could understand the pain the pregnant lady undergoes and not to forget she is a mother. She will think about others rather than thinking about her. I personally wish I could save both of them. I will try to save both of them. First my priority will be the pregnant lady.