

# Home Work - Day 13

## Python Random Data Generation

**1. Generate 3 random integers between 100 and 999 which is divisible by 5**

**2. Random Lottery Pick. Generate 100 random lottery tickets and pick two lucky tickets from it as a winner.**

**Note** you must adhere to the following conditions:

- The lottery number must be 10 digits long.
- All 100-ticket number must be unique.

**Hint:** Generate a random list of 1000 numbers using **randrange()** and then use the **sample()** method to pick lucky 2 tickets.

**3. Generate 6-digit random secure OTP**

- Python secrets module to generate secure numbers
- Python get a random number within a range

**4. Pick a random character from a given String**

**5. Generate random String of length 5**

**Note:** String must be the combination of the **UPPER** case and lower-case letters only. No numbers and a special symbol.

**6. Generate a random Password which meets the following conditions**

- Password length must be 10 characters long.
- It must contain at least 2 upper case letters, 1 digit, and 1 special symbol.

**7. Calculate multiplication of two random float numbers**

**Note:**

First random float number must be between 0.1 and 1

Second random float number must be between 9.5 and 99.5

**8. Generate random secure token of 64 bytes and random URL**

**9. Roll dice in such a way that every time you get the same number**

Dice has 6 numbers (from 1 to 6). Roll dice in such a way that every time you must get the same output number. do this 5 times.

**10. Generate a random date between given start and end dates**