

Project: RANDOM USERNAME GENERATOR

Description:

The Random Username Generator is a Python-based project that generates unique and customizable usernames for users. This tool can be used for social media accounts, gaming profiles, or other online platforms where a unique username is required. It ensures randomness, security, and personalization by allowing users to specify username length and character preferences.

Features:

Randomized Generation: Creates unique usernames using a mix of letters, numbers, and symbols.

Customizable Length: Users can set the desired length of the username.

Inclusion of Numbers & Special Characters: Optional inclusion for added uniqueness.

Prefix/Suffix Addition: Users can specify a word to be included in the username.

Multiple Username Suggestions: Generates a list of usernames to choose from.

Easy-to-Use Console Interface: Simple prompts to guide the user.

Technologies Used:

Programming Language: Python 3

Libraries Used:

random (for generating random characters)

string (for handling character sets)

Python Console Code:

```
import random
```

```
import string
```

```
def generate_username(length=8, use_numbers=True, use_special_chars=False, prefix=""):
```

```

characters = string.ascii_letters # A-Z, a-z

if use_numbers:
    characters += string.digits # 0-9

if use_special_chars:
    characters += "!@#$%^&*"

random_part = ''.join(random.choice(characters) for _ in range(length))

return prefix + random_part # Add prefix if provided


# User input for customization

length = int(input("Enter username length: "))

use_numbers = input("Include numbers? (yes/no): ").strip().lower() == "yes"

use_special_chars = input("Include special characters? (yes/no): ").strip().lower() == "yes"

prefix = input("Enter a prefix (optional): ").strip()


# Generate and display usernames

print("\nGenerated Usernames:")

for _ in range(5):
    print(generate_username(length, use_numbers, use_special_chars, prefix))

```

Sample Output:

```

Enter username length: 10
Include numbers? (yes/no): yes
Include special characters? (yes/no): no
Enter a prefix (optional): user_

```

Generated Usernames:

user_dkLm39pA

user_PqXxB2Y7w

user_YnMzP3dQK

user_LpXn9MtZd

user_BnVxQ7JmY

Conclusion:

The Random Username Generator is a simple yet efficient tool for creating unique usernames. It provides customization options to cater to different user needs, making it useful for various online platforms.