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import secrets
import string
import pyperclip

def get_password_characters(include_uppercase, include_lowercase, include_digits, include_symbols):
    characters = ''
    if include_uppercase:
        characters += string.ascii_uppercase
    if include_lowercase:
        characters += string.ascii_lowercase
    if include_digits:
        characters += string.digits
    if include_symbols:
        characters += string.punctuation
    return characters

def generate_password(length, characters):
    return ''.join(secrets.choice(characters) for _ in range(length))

def get_user_preferences():
    try:
        length = int(input("Enter the password length: "))
        if length <= 0:
            raise ValueError("Length must be a positive integer.")

        include_uppercase = input("Include uppercase letters? (y/n): ").strip().lower() == 'y'
        include_lowercase = input("Include lowercase letters? (y/n): ").strip().lower() == 'y'
        include_digits = input("Include digits? (y/n): ").strip().lower() == 'y'
        include_symbols = input("Include symbols? (y/n): ").strip().lower() == 'y'

        if not (include_uppercase or include_lowercase or include_digits or include_symbols):
            raise ValueError("At least one character type must be selected.")

        num_passwords = int(input("How many passwords do you want to generate? "))
        if num_passwords <= 0:
            raise ValueError("Number of passwords must be a positive integer.")

        return length, include_uppercase, include_lowercase, include_digits, include_symbols, num_passwords

    except ValueError as e:
        print(f"Invalid input: {e}")
        return None

def main():
    user_prefs = get_user_preferences()
    if not user_prefs:
        return

    length, include_uppercase, include_lowercase, include_digits, include_symbols, num_passwords = user_prefs
    characters = get_password_characters(include_uppercase, include_lowercase, include_digits, include_symbols)

    passwords = [generate_password(length, characters) for _ in range(num_passwords)]

    print("\nGenerated Passwords:")
    for i, pwd in enumerate(passwords, 1):
        print(f"{i}. {pwd}")

    if input("\nDo you want to copy the first password to the clipboard? (y/n): ").strip().lower() == 'y':
        pyperclip.copy(passwords[0])
        print("First password copied to clipboard.")

if __name__ == "__main__":
    main()

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➦ Enter the password length: 5
Include uppercase letters? (y/n): y
Include lowercase letters? (y/n): n
Include digits? (y/n): y
Include symbols? (y/n): y
How many passwords do you want to generate? 2

Generated Passwords:
1. )~E]
2. >SM$H

Do you want to copy the first password to the clipboard? (y/n): n

```

