```python
import random
import string


def generate_password(length=12):
    characters = string.ascii_letters + string.digits + string.punctuation
    if length < 4:
        raise ValueError("Password length must be at least 4.")
    password = (
            random.choice(string.ascii_uppercase) +
            random.choice(string.ascii_lowercase) +
            random.choice(string.digits) +
            random.choice(string.punctuation)
    )
    password += ''.join(random.choice(characters) for _ in range(length - 4))
    password_list = list(password)
    random.shuffle(password_list)
    return ''.join(password_list)


def generate_multiple_passwords(num_passwords=5, length=12):
    passwords = [generate_password(length) for _ in range(num_passwords)]
    return passwords


if __name__ == "__main__":
    try:
        password_length = int(input("Enter the desired password length (at least 4): "))
        num_passwords = int(input("Enter the number of passwords to generate: "))

        if password_length < 4 or num_passwords <= 0:
            raise ValueError("Password length must be at least 4, and the number of passwords must be positive.")
```

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33
34          generated_passwords =
   generate_multiple_passwords(num_passwords,
   password_length)
35
36          print("\nGenerated Passwords:")
37          for i, password in enumerate(
   generated_passwords, start=1):
38              print(f"Password {i}: {password}")
39
40      except ValueError as ve:
41          print(f"Error: {ve}")
42
```