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In [11]: import random
import string

def generate_password(length):

    if length < 4:
        raise ValueError("Password length should be at least 4 characters")

    upper = string.ascii_uppercase
    lower = string.ascii_lowercase
    digits = string.digits
    symbols = string.punctuation

    password = [
        random.choice(upper),
        random.choice(lower),
        random.choice(digits),
        random.choice(symbols)
    ]

    if length > 4:
        all_characters = upper + lower + digits + symbols
        password += random.choices(all_characters, k=length-4)

    random.shuffle(password)
    return ''.join(password)

if __name__ == "__main__":
    try:

        password_length = int(input("Enter the desired password length (minimum 4 characters): "))

        password = generate_password(password_length)

        print(f"Generated password: {password}")
    except ValueError as ve:
        print(ve)
    except Exception as e:
        print(f"An error occurred: {e}")

```

Enter the desired password length (minimum 4 characters): 9
Generated password: r<`4:0\$0J

In []:

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