

# New Page

```
capitals = "ABCDEFGHIJKLMNOPQRSTUVWXYZ"
```

```
lowercases = "abcdefghijklmnopqrstuvwxyz"
```

```
numbers = "0123456789"
```

```
symbols = "!@#$%^&*()"
```

```
import random
```

```
part1 = random.choices(capitals, k=3)
```

```
part2 = random.choices(lowercases, k=3)
```

```
part3 = random.choices(numbers, k=2)
```

```
part4 = random.choices(symbols, k=4)
```

```
characters = part1 + part2 + part3 + part4
```

```
random.shuffle(characters)
```

```
password = "".join(characters)
```

```
print(password)
```

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