

```
python
```

```
import string
```

```
import random
```

```
def generate_password(length,  
use_letters=True, use_numbers=True,  
use_symbols=True):
```

```
    characters = ''
```

```
    if use_letters:
```

```
        characters += string.ascii_letters
```

```
    if use_numbers:
```

```
        characters += string.digits
```

```
    if use_symbols:
```

```
        characters += string.punctuation
```

```
    password =
```

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

```
    return password
```

```
# Get user input
```

```
length = int(input("Enter password length:
"))
use_letters = input("Include letters? (y/n):
").lower() == 'y'
use_numbers = input("Include numbers?
(y/n): ").lower() == 'y'
use_symbols = input("Include symbols? (y/
n): ").lower() == 'y'

# Generate password
password = generate_password(length,
use_letters, use_numbers, use_symbols)
print("Generated password:", password)
```