

```
1 #!/bin/bash
2
3 generate_password() {
4
5     #different sets
6
7     lowercase='abcdefghijklmnopqrstuvwxyz'
8     uppercase='ABCDEFGHIJKLMNOPQRSTUVWXYZ'
9     numbers='0123456789'
10    special_chars='!@#$%^&*()_+=[ ]{|};:,.<>?'
11
12    all_chars="$lowercase$uppercase$numbers$special_chars"
13
14    length=$1
15
16    password=$(tr -dc "$all_chars" < /dev/urandom | head -c "$length")
17
18    echo "$password"
19
20 }
21
22 echo "Enter password length:"
23 read length
24
25 echo "Generated Password:"
26 generate_password "$length"
27
```