

```

#Password_Generator

import random
random = random.Random()

# Length of password
password_length = input("Enter preferred length:")

# Lists
lower =
['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm', 'n', 'o', 'p', 'q', 'r', 's', 't', 'u', 'v', 'w', 'x', 'y', 'z']
upper =
['A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z']
numbers = ['1', '2', '3', '4', '5', '6', '7', '8', '9', '0']
special = ['!', '@', '#', '$', '%', '^', '&', '*', '(', ')', '_', '-', '+', '=']

# Function
all_characters = lower + upper + numbers + special

def generator(length=password_length):
    if int(length) < 8:
        return "The password is too short"
    elif int(length) > 32:
        return "The password is too long"
    else:
        password = ''.join(random.choice(all_characters) for _ in range(int(length)))
    return password

# Print the password
print("Generated Password:", generator())

```