```python
import random
import string

def generate_password(length):
    # Define the character sets to generate the password from
    characters = string.ascii_letters + string.digits + string.punctuation

    # Generate the password using random choices from the characters
    password = ''.join(random.choice(characters) for _ in range(length))

    return password

def main():
    # Ask the user for the desired password length
    try:
        length = int(input("Enter the desired length of your password: "))

        if length <= 0:
            print("Password length should be greater than zero.")
        else:
            # Generate the password
            password = generate_password(length)
            print("Your generated password is:", password)
    except ValueError:
        print("Invalid input. Please enter a valid number.")

if __name__ == "__main__":
    main()
```

```
Enter the desired length of your password: 12
Your generated password is: #?JNj\BDnL6)
```

In [ ]:

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