

Write a Python program that performs division and modulo operations on two numbers provided by the user. Handle division by zero and non-numeric inputs.

Input Format:

Two lines of input, each containing a number.

Output Format:

Print the result of division and modulo operation, or an error message if an exception occurs.

**For example:**

Input	Result
10 2	Division result: 5.0 Modulo result: 0
7 3	Division result: 2.3333333333333335 Modulo result: 1
8 0	Error: Cannot divide or modulo by zero.

**Answer:** (penalty regime: 0 %)

```
1 try:
2     a=int(input())
3     b=int(input())
4     c=a%b
5     d=a/b
6     print(f"Division result: {d}")
7     print(f"Modulo result: {c}")
8 except ZeroDivisionError:
9     print("Error: Cannot divide or modulo b
10 except ValueError:
11     print("Error: Non-numeric input provide
```

Develop a Python program that safely performs division between two numbers provided by the user. Handle exceptions like division by zero and non-numeric inputs.

**Input Format:** Two lines of input, each containing a number.

**Output Format:** Print the result of the division or an error message if an exception occurs.

**For example:**

Input	Result
10 2	5.0
10 0	Error: Cannot divide or modulo by zero.
ten 5	Error: Non-numeric input provided.

**Answer:** (penalty regime: 0 %)

```
1 try:
2     a=float(input())
3     b=float(input())
4     print(a/b)
5 except ZeroDivisionError:
6     print("Error: Cannot divide or modulo by
7 except ValueError:
8     print("Error: Non-numeric input provided
```

Write a Python script that asks the user to enter a number within a specified range (e.g., 1 to 100). Handle exceptions for invalid inputs and out-of-range numbers.

Input Format:

User inputs a number.

Output Format:

Confirm the input or print an error message if it's invalid or out of range.

**For example:**

Input	Result
1	Valid input.
101	Error: Number out of allowed range
rec	Error: invalid literal for int()

**Answer:** (penalty regime: 0 %)

```
1 try:
2     a=int(input())
3     if a>=1 and a<101:
4         print("Valid input.")
5     else:
6         print("Error: Number out of allowed range")
7 except ValueError:
8     print("Error: invalid literal for int()")
```

Write a Python program that asks the user for their age and prints a message based on the age. Ensure that the program handles cases where the input is not a valid integer.

**Input Format:** A single line input representing the user's age.

**Output Format:** Print a message based on the age or an error if the input is invalid.

**For example:**

Input	Result
twenty	Error: Please enter a valid age.
25	You are 25 years old.
-1	Error: Please enter a valid age.

**Answer:** (penalty regime: 0 %)

```
1 try:
2     a=int(input())
3     if a>=0:
4         print("You are {} years old.".format(a))
5     else:
6         print("Error: Please enter a valid age.")
7 except:
8     print("Error: Please enter a valid age.")
9
```

### Problem Description:

Write a Python program that asks the user for their age and prints a message based on the age. Ensure that the program handles cases where the input is not a valid integer.

### Input Format:

A single line input representing the user's age.

### Output Format:

Print a message based on the age or an error if the input is invalid.

### For example:

Input	Result
25	You are 25 years old.
rec	Error: Please enter a valid age.
-5	Error: Please enter a valid age.

### Answer: (penalty regime: 0 %)

```
1 try:
2     a=int(input())
3     if a>0:
4         print("You are {} years old.".format(a))
5     else:
6         print("Error: Please enter a valid age.")
7 except:
8     print("Error: Please enter a valid age.")
```