resource url?
QUESTION ----------------
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.
------------------ANSWER
```
try:
    age_input = input()
    if age_input.strip() == "":
        print("No input provided.")
    else:
        try:
            age = int(age_input)
            if age < 0:
                print("Error: Please enter a valid age.")
            else:
                print(f"You are {age} years old.")
        except ValueError:
            print("Error: Please enter a valid age.")
except EOFError:
    print("Error: Please enter a valid age.")
```
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QUESTION ----------------
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.
------------------ANSWER
```
num1_input = input()
num2_input = input()
try:
    num1 = float(num1_input)
    num2 = float(num2_input)
    if num2== 0:
        print("Error: Cannot divide or modulo by zero.")
    else:
        division_result = num1 / num2
        modulo_result = num1 % num2
        print(f"Division result: {division_result}")
        print("Modulo result:",int(modulo_result))
except ValueError:
    print("Error: Non-numeric input provided.")
```
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QUESTION ----------------
Problem Description:
------------------ANSWER
```
try:
    age_input = input()
    if age_input.strip() == "":
        print("No input provided.")
    else:
        try:
            age = int(age_input)
            if age < 0:
                print("Error: Please enter a valid age.")
            else:
                print(f"You are {age} years old.")
        except ValueError:
            print("Error: Please enter a valid age.")
except EOFError:
    print("Error: Please enter a valid age.")
```
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QUESTION ----------------
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.

```
------------------ANSWER
num1_input = input()
num2_input = input()
try:
    num1 = float(num1_input)
    num2 = float(num2_input)
    if num2== 0:
        print("Error: Cannot divide or modulo by zero.")
    else:
        division_result = num1 / num2
        print(f"{division_result}")
except ValueError:
    print("Error: Non-numeric input provided.")
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QUESTION ----------------
Problem Description:
------------------ANSWER
import math
user_input = input("")
try:
    number = float(user_input)

    if number < 0:
        print("Error: Cannot calculate the square root of a negative number.")
    else:
        sqrt_value = math.sqrt(number)
        print(f"The square root of {number} is {sqrt_value:.2f}")
except ValueError:
    print(f"Error: could not convert string to float")
------------------------------
```