001 An algorithm a day…

Algorithm Question

Write an algorithm which:
- asks the user to input 2 numbers
- outputs the larger of the two numbers along with a suitable message

[5 marks]

Algorithm Example Answer

Write an algorithm which:
  - asks the user to input 2 numbers
  - outputs the larger of the two numbers along with a suitable message
 [5 marks]

There are always different ways to solve a problem. This algorithm is just an example. What is important is that the logic is correct!

LOGIC:

- **A first number is inputted and stored**
- **A second number is inputted and stored**
- **The contents of each variable is cast to an integer type**
- **A comparison is made to see which number is larger**
- **The larger number is outputted…**
- **…along with a suitable message**

EXAMPLE ALGORITHM:

```
num1 = input("Enter a number")

num2 = input("Enter another number")

num1 = int(num1)

num2 = int(num2)

if num1 > num2 then

    print(num1 + "is the largest number")

else

    print(num2 + "is the largest number")

endif
```