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### Challenging Task-Peer Assessment 1

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What is the output of the following Python code block? Explain the logic of the given code.  
Explain the logic of the given program and write the output as well.

```
a=2
b=12
c=1
d=a<b>c-1
d=2<12>1-1
d=2<12>0
d=1>0
print(d)
```

The output of the given Python code block will be True.

logic:

1. 'a=2' variable a is been assigned with value.
2. 'b=12' variable b is been assigned with value 12.
3. 'c=1' variable c is been assigned with value.
4. 'd=a<b>c-1' variable d is been assigned to store the value of the expression 's<b>c-1'.
5. 'd=2<12>1-1' in this step, 'c-1' is evaluated first which is equal to 0. The expression is evaluated from left to right i.e. '2<12' and 12>0'which gives 'True' and 'True' respectively. So, 'd' is assigned with 'True'.
6. 'd=2<12>0' The expression is further simplified in the same way as step 5 or expression 'd=2<12>1-1'.
7. 'd=1>0' Here the expression gives 'True'.
8. print(d) at last the print statement to execute the stored result in 'd' which is 'True'.