Q. Ask the user to enter two integer numbers. Check whether both the numbers are positive or not. If both the entered number are positive and number 2 is greater than number 1 print all odd numbers in the range otherwise display proper error message.

ALGORITHM

1. Start
2. Define num1, num2
3. Take input of num1, num2 as Integers
4. Check if num1 > 0 && num2 > 0, If Yes go to **Step 6**
5. Print "num1 and/or num2 is not positive, input again" then go to **Step 3.**
6. Check if num2 > num1, If yes then go to **Step 8**.
7. Print "num2 is smaller than num1 please input num2 bigger" then go to **Step 3.**
8. Check if num1 % 2 == 0, if No go to **Step 13**
9. num1 = num1 + 1
10. print num1
11. num1 = num1 + 2
12. Check if num1 < num2, if yes than go to **Step 10,** If No then go to **Step 16**
13. Print num1
14. num1 = num1 + 2
15. Check if num1 <= num2, If Yes then go to **Step 13**
16. Stop

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                          ┌─────────────┐
                          │    START    │
                          └──────┬──────┘
                                 │
                       ┌─────────▼─────────┐
                       │ Define num1, num2 │
                       └─────────┬─────────┘
                                 │
                       ┌─────────▼─────────┐
                       │  Input num1,num2  │
                       │    as Integer     │
                       └─────────┬─────────┘
                                 │
                          num1 > 0 &&        NO    Print "num1 and/or
                          num2 > 0  ──────────────▶ num2 is not positive
                                 │                  Input again"
                                YES
                                 │
          Print "num2 is    NO
          smaller than   ◀──────── num2 > num1
          num1,
          input again"           YES
                                 │
              YES        num1 % 2 == 0    NO
          ◀──────────                ──────────▶
                                                 print num1
          num1 = num1 + 1
                                                 num1 = num1 + 2
          print num1
                                                 num1 <= num2   YES
          num1 = num1 + 2                             │
                                                     NO
          num1 < num2   YES
                │
               NO
                         ┌─────────────┐
                         │    STOP     │
                         └─────────────┘
```

Define num1, num2

Input num1,num2 as Integer

num1 > 0 && num2 > 0

NO → Print "num1 and/or num2 is not positive Input again"

YES

num2 > num1

NO → Print "num2 is smaller than num1, input again"

YES

num1 % 2 == 0

YES → num1 = num1 + 1 → print num1 → num1 = num1 + 2 → num1 < num2

NO → print num1 → num1 = num1 + 2 → num1 <= num2

num1 < num2 YES

num1 < num2 NO

num1 <= num2 YES

num1 <= num2 NO

STOP