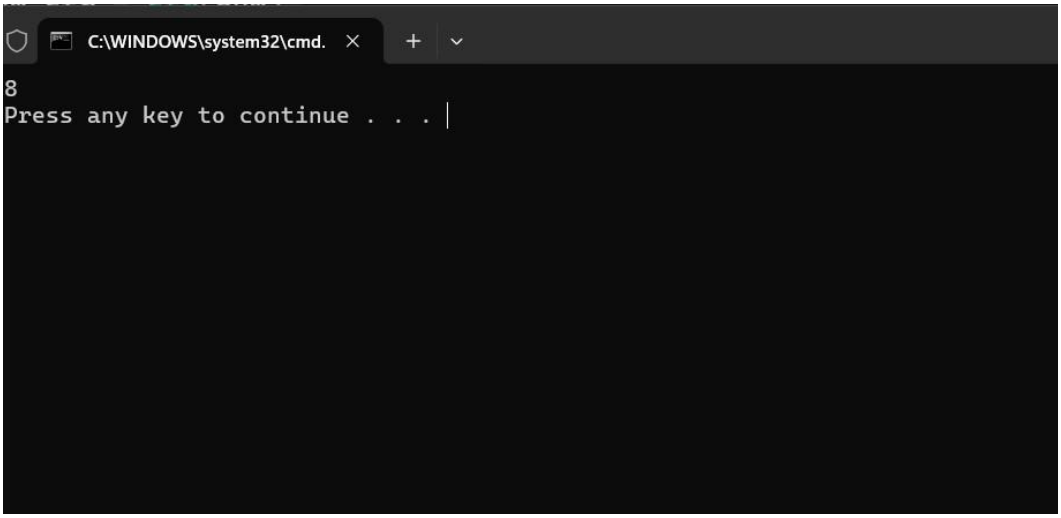
37) Max Difference You Can Get From Changing an Integer You are given an integer num. You will apply the following steps exactly two times: ● Pick a digit x (0 <= x <= 9). ● Pick another digit y (0 <= y <= 9). The digit y can be equal to x. ● Replace all the occurrences of x in the decimal representation of num by y. ● The new integer cannot have any leading zeros, also the new integer cannot be 0.

CODE:

```
def maxDiff(num: int) -> int:
    num_str = str(num)
max_diff = 0
        for i, digit in enumerate(num_str):         if digit != '9':
new_num_str = num_str.replace(digit, '9')             max_diff
= max(max_diff, int(new_num_str) - num)             break
if num_str[0] != '1':         new_num_str =
num_str.replace(num_str[0], '1')         max_diff =
max(max_diff, num - int(new_num_str))

    return max_diff
print(maxDiff(9))
```

OUTPUT:



TIME COMPLEXITY : O(d)