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File - C:\pythonProject1\main.py
 1 def isNumber(S) -> bool:
 2
        num, exp, sign, dec=False, False, False
 3
        for c in S:
            if c>='0' and c<='9':
 4
 5
                num=True
            elif c=='e' or c=='E':
 6
 7
                 if exp or not num:
 8
                     return False
 9
                 else:
10
                     exp,num,sign,dec=True,False,False,
   False
            elif c=='+' or c=='-':
11
12
                if sign or num or dec:
13
                     return False
14
                 else:
15
                     sign=True
            elif c=='.':
16
17
                if dec or exp:
18
                     return False
19
                else:
20
                     dec=True
21
            else:
22
                 return False
23
        return num
24 a=input("S=")
25 print(isNumber(a))
```