A phrase is a falindrome if, after ancerting all uppercase letters into lowercase letters and General all non-alphanomaic characters, if reads the same forward and badramy.

Ex)

O Input 5: "A man, a plan, a canal: faname"

Despit: True

Exploration: "amanaplana auci farama"

Q Input: S: "race a cor"

2 Input: S= "race a cor"

Notput: False

Explanation: "raceacor" exa

1) Solution

- Create reversed string (Memory usage D(A)) and compare original and

1) Revocuting non-alphanomeric characters by using filter

- 1) Removing non-alphanumpic characters by using filter

 S = filter (lambda x : x.isalnum(), s)

 S = "". isin(s)
- 2) Convert uppercase into lowarcase 5 = 5 lowers
- 5 = 5 lowers)

 3) (reade reversed stiring
- 4) check 2 [::-1] 4) check be de check be de
- for i in range (in, lea (9)/12);

 if s[i] != r[i]:
 - return False
- return The