\* Count words 1) 4 This I is a sample string" an = [ "This", "is", "a", "sample", "shing"] => str·split(""); =) m·length =)(5) 2 e this if is if if a I sample I string" an = ( this ", "), " (), \* even after spliting, simply it date over away at court non-empty strings. =) as, leng H =) BX (5) words

\* toggle characters: am = 4 n = aHD S= a hello ABC = aHE" = affel" = 'HELLOabe" "HELLDabe" 1. go to every character check whether it is upper/10 wer d. If it is upper, add love to ans 3. if it is lower, add upper to ans \* How to check whether the ch is upper/lower? upper > 'A' <= eh <= 'z' = if ('4'= ch of ch <= 'z') lower > 'a' x = 'hx = 'z' = if ( 'al rech +f ch <= 'x') \* pan grams

、みーンプ

We promptly judged antique ivory buckles for the next prize  $\longrightarrow$  given shing

should contain all the alphabets (case doesn't matter)

1. 48 it is Case- in-Sensitive, Convert whole str to eiter lower/upper case.

do check whether (a) exist or not ? -> Str.inchder (ea))

to ca' - 1'2' of consists or not iterate from iterate from iterate from iterate from iterates and iterates from it

ad you can use 1, or this or not

\* keep on electify until you find an alphabet which is not in the shirt until storincholm (ch) of table

# ASCII ralus: energ character has a integer number associated with it \* 'A' -> 'z' 'a' → 'z' 97 -> 122 65 -> 90 chia asai 'N' - 65 9 - 91 'B' - B6 6-98 'c' - 61 C - 99 \* ch → ascii > ch. Char Code At (0) d - 100 ascii -> ch => Sthing. from Charlode (ancii) 'y' - 89 9-121 appor. charcodeAtCI) String. from Cher Gode (65) 'Z - 90 2-122 an, charcode Af (0) ¥ 65

\* Camel Case. (app dsd sdda) => appDsdSdda extract each word -> str.split ("-") 2. apart from 1st word, capitalize 1st letter of each word. appfdsdfsdda [ " app", " () kd", " () Lda"] -> an isoin() => appDsdSdda

\* palindrome string: a man, a plan, a canal Panama (Case-in-Sensitive) "amaraplan a canal Panama" Case is not acman, a plan, a canal Panama

t carrain a raina

when compains
when you see a
character which is
not an alphabet
sup it -

(2, 7),  $(4a^{n} \rightarrow 5+t)$  (4n),  $(4a^{n} \rightarrow 5+t)$  (4n), (4n)

« » «m » -) S++

\* It is some ar old palinduone, but only skip is exten

 $\alpha_1$ ,  $\alpha_2$   $\rightarrow \alpha_{--}$   $\alpha_1$ ,  $\alpha_2$   $\rightarrow \alpha_1$ 

an, an -> s++

ه م رد کا

if (s[stat] < 'a' || s(stat] > 'z')

if (e' ' < 'a' || e' " > 'z')

starter

\* Compressed Strings:

<sup>4</sup> a a a b b c c d d d a a b 2 c 2 d 3 a 2 <sup>2</sup>

a 3 b 2 c 2 d 3 a 2 <sup>2</sup>

cnt = + x 8 1 x 1 x 1 x 8 x 2 so add it

ans= an haaabbbaabb"
= a3"

= 9a3b2" = "a3b3a2b2"

= easb2c2" eabbdcc"

=  ${a3b2c2d3}^n$   $\Rightarrow {a1b2d1c2}^n$   $\Rightarrow {ab2dc2}^n$ =  ${a3b2c2d3a2}^n$ 

previous, check

previous if same

out tt

if not same

previous court

ans += prev\_char + Gount Cht = 1

is cut.