```
* convent document in to panagraph, sentence & words. -> return specific
Woond, Pana, Senkence, word!
                           chaon * - word " Hello 10"
                           Chan** -- Collection of woods - Sentence ( )-Separa
                          Chan *** \rightarrow " By Sentences. ( **) (Full Stop) - seperation.
                           chan *** -> panagraphs -> Septemated by (ee n1)
                                   when last paona - no heew 19ne!
Learning C 25 fun.
                            this characterist of
Learning polinters us morne fun. It is good to have polinters.
 Chan ** first_Sent_9n_1_Pana = { ce Leanning, C", ce 20", ce fun" };
 Chan *** 1-Pana - & Sent = { ee This, ee 95", ee pointent "?;
Chas ** Second Passa = { { eleasining ?, ..., elefun ? } } , { elefun ? } } , { elefun ? } } , { elefun ? } } ;
Chaon *** document = {{ { ee Leanning?, ee; ?, eegs?, eefun??} { { ee Leanning?, ....
                eefun ? 3, { ceIt'?, ..., ee panteons, 333;
Chan *** get_document (chan * text);
Chaon *** Kth_ Pagna (chaon *** doc 19nt k);
Chan ** kth-Sent_m_Pagra (chan ** * doc, Pnt k, Antm);
chaon * Kthword _ mth Bent _ nth - Paora (chaon *** docu , 9nt &, 9nt m, 9nt n);
                  memset (Pko, ".", hum Bytes); -> FIL with "." In num Bytes
say: (12 bytes)
             * Chaon ***
                       pointent en pointera en pointens of pointert
                                 pointing to chaon.
    word
                               Employ Surrous fourty everds
   fornton4 -> Choon
   [words]
Pointer 3 → Chan *
                               (been suited (bearies) bearing moral
    Sent
                                                theps (homoster data,
   Pointeen & → chaon * *
    Poora
    pointed 1 -> chaon ** *
```

* doc - Collection of paragraphs \longrightarrow lines \longrightarrow words \longrightarrow $(a-2)_1(A-Z)$

Bosic sule

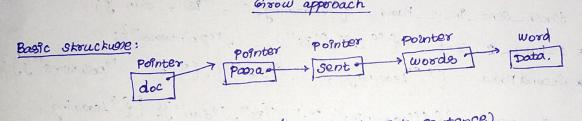
```
* space e ? ___ next word of Same poona, Sent
              * (.? _ next Sentence. (In 'not next) - else
en? - next pooragraph
```

How to know end:

I/p: Chaon * 7 get -document

: Leagning C 25 fun. In Leagning Pointer as moone fun. It is good to have pointers. 10"

Grow approach



* depretonence doc: which pana (> pointen to 0 th sentence)

* de reponence: poona: which sentence - (pountem to oth words)

* deoregeorance: words: ushich word

what 9 get

Efface * ?? 3

Charles and thing form aske she was the grow approach

{ ce Learning : - - - - 10 ng i - 1 hop to data

1 hop -> pana (pointen pointing Sant) Thop - Lentence (pointer pointing words) Shop - words (pointer pointing word)! Hhop- Character data!

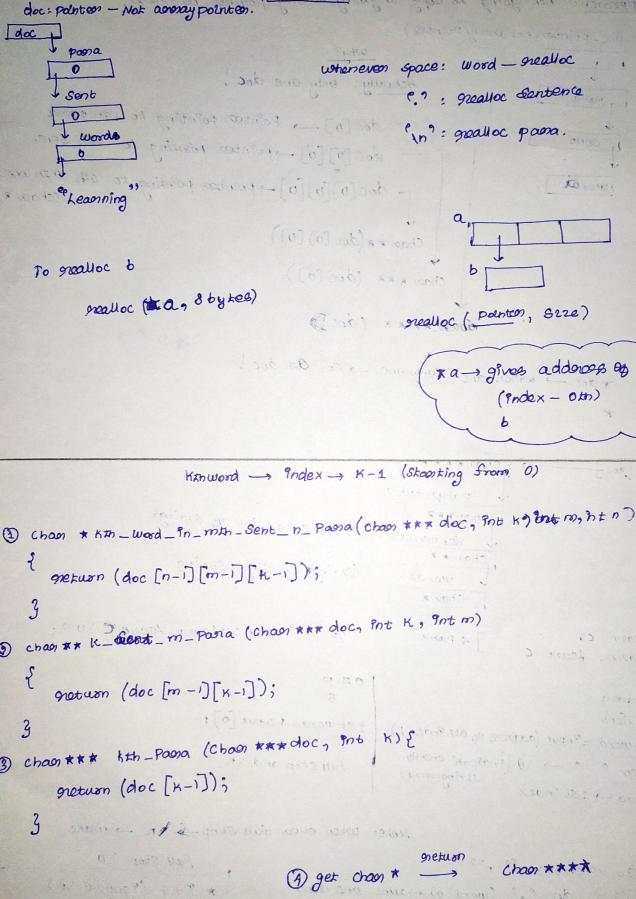
to and end on a top and

Use a conse- Horizasi

r and the scanned

なるかけい ユーラント・リーメスタ

Charkan ger som on the store :



one (messes o); one

not going to copy anything - only pointeen business! approach: doc-pointer(not coronaly pointer). Acknally: only one doc! doc [o] - Pointen pointing to our poora doc[o][o] -> pointen pointing to oth Sent doc[0][b][0] -> pointeen pointing to oth oth wood Work Chaon * * (doc [0] [0]) chaon *** (doc [o]) segues . 6 & outcom about ** (doc) * doc - warsch doc? (andy one) - so Oth doc! Channann docpanagraphs.... - Collection of Strings Chann東京 1 000 000 000 Sentences. words ... (Strings) - Single String Chank 7/p = ee Leaon C In Leaonn . Leaona @ 10 27; a paosa. Leaonn Co Leaonn. Leaonn C OTHP 0th paona S oth Sent 1 St word = 4 9 mput [6]; oth word = 9 nput (addoness of oth 9 ndex L) when e 9 -> 10 [And8cate and 96 full stop and In Skring: word] word - 1 St Index Note: when even full stop & n -> make Fall Stop 10 So when even ee n?? do P. ? (word=0) -alloc one sont * 9++ (9gnome In) * make paeragraph new, e o (word +=1) + alloc one word = 0 Sentence = 0

R, 9 - execute In -> realloc poora words realloc do. that Papa - has no new Sent/word So realloc - dent greatloc - word execute: e.?, 5 blocks! By making words, Sente = -1. Suffect (LONE TY)) So O to Index, & words, sent copeated. Note! : Sultch Statement - when I case true Standard on a all one true (cases): until break! (end picture) Paosa doc[0] - 0 th passa Points to 0th Soutence doc [o] [o] -, oth sentence points to 0th evora. (pointed of word). (pointen to doc[o][o][o] -- oth word word) n? = ! Park State of automorate (deorageover ling chanacteen In pana++; (doc[paosa-1] = (chaon ***) mealloc) a wrong! very (doc) how pointed to paona not! doc[pagn-1] has pointed to dontence!

simple

Fogs (9=0; 39++) poona++ Para 1 Para 2 * reallocate 9f (kext [9]1] == (10°) Not inflatere text [9] = "\0"; Inghalaze- Sentences, 9++; Instiallze- words. Sort switch (text [9]) forkfallize! make words = 0 case in: Then Philadeze 1, (301 15 2 mm) .10 [end] when ? * coneate new sentence * word = 0 goto e ? * consate word (9n9tal82e) * mare (. ? -> 7000.

1000 0 (48 100 10)

more at comment (son) process

chicago of

TA TO

and the state of the

So our up to text [9+1] != 90'