8/03/2021 Rallas: :- Szazass 10274 C.P Set 2 End Sem Eran file si with the coon regard barrens at an on- Had Q-1 A recursive function is tail recursive when necursive coll coll is the last thing executed by the function. example: #include < stdio.h > 3 (in thi) third bien 19(v co) { notion; point ("12d", nd; too took parch ( ( - 1 ) toisq' 3 12 non toi 1 (sn) je · (boly (10); Rotun 0; i d made ic

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Difference between nooned and tail necursion! -) Recursion call it self directly but tail necurson means that this is very lost they happens in the method before it returns. aviacuate lid zig will muff aviamont & A . 19 Output: 71 G (p) No the code is wrong, due la vollization and segmentation fault.

i is not intit declared but used in that code. and segmented on fault. Corred code: long fact (mt n) Jog k=n; k = fact (n-1); oreturn k;

```
#indude (Stdish>
  # include < Stdbb.h>
   chan vowelfiller (chan * p) {.
           if (*p=='a'11 *p=='e'11 *p=='i'11 *p=='o'11 *p=='u')
                  return "b;
      char p;
      p= (chair) redoc (5° size of (chai));
    for (ind i=0, i<4; i+1)
           print ("10c", vowelfitter ("b));
netun 0;
```

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- (a) Total number of lines are 3
- (b) In the prooper you questies (a), if we want to be open fle for both needing and withing,
- if (tp = = NULL)
- fusite (stud1, size of (stud1), 1, pts); freed (stud2, size of (stud2), 1, -(pts); (9)

my bullion in the second