과제5

<문자열 정렬하기>

20206147 서은서

<목차>

- 1. 문제 내용과 해결방안
 - 2. 결과 캡쳐

1. 문제내용과 해결방안

1) 일반 배열

먼저 문장을 담을 [100][51]배열을 생성합니다. 문장의 길이를 랜덤으로 결정한 후 그 길이에 맞추어 배열 안에 'A'~'Z' 사이에서 랜덤으로 집어넣습니다. 추후 문장 정렬을 실시합니다. 만약 첫번째 문장과 두번째 문장을 cmp를 통해 비교했을 때 0보다 크다면 둘의 위치를 바꿉니다. 이를 100번 반복합니다. 그리고 2번째 문장을 같은 방법으로 100번 반복합니다. 이런 과정을 97번 더 거치고 나면 문장이 정렬됩니다.

2) 동적 할당

먼저 문장을 받을 배열과 동적할당을 통해 만들어진 공간 만큼을 저장할 [100]포인 터배열을 하나씩 생성합니다. 문장의 길이를 랜덤으로 결정한 후 그 길이에 맞추어 추후 이 배열에 'A'~'Z' 사이에서 랜덤으로 집어넣습니다. Malloc을 통해 이 문장의 길이 만큼 공간을 할당하여 주고 이를 포인터배열에 저장합니다. 이 동작을 100번 반복 한 후 문장 정렬을 실시합니다. 만약 첫번째 문장과 두번째 문장을 cmp를 통해 비교했을 때 0보다 크면 포인터 배열의 위치를 바꿔줍니다. 이를 100번 반복합니다. 그리고 2번째 문장을 같은 방법으로 100번 반복합니다. 이런 과정을 97번 더 거치고 나면 문장이 정렬됩니다.

2. 결과 캡쳐

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서
전
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포인터 저장 방식

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- RDSLGOT I KYBUMXKHNEBHAPSEAEUKATONYTD
- GCPCTSQQTHZXT | BMBAPUYFTFJJOWYX | DSO | SD
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- ASWHWBHFHSLYCNYNHUVCGLTZFYOLNDODUGSPOEKSBUJKAHFC
- RKCP I TWUPKCMKSTJTWFDLEMY I FLQOJZMMA
- OXQVJJFRVSKLMZRUO I UFFPAXXUHZDHG
- PNHEBLEJQNSXUJPQFGWNUJKALSEMOK
- FMZ I GKBYYOCJZXRAKVN I KLUEYAYXYJMVLE
- SIQMBNYUSHXCVWUWVCOYOOTRSJCZOJIOAHLCPRIHFZPFBAOC VVRDEQRNEEDTVVCWQGZTOEYPPZPZHI
- YDT1KQPLHFBSVDLZOZRWYBOHHGJZOVOZVFXNPOWG
- NIXVCEMDLYQBWTVJSWTCJFNPLJXJKMBZIJGV
- KKFCLNNDLEZJKQRTZXG1VGFKGNEFWFYSRCKSCJ0ESV
- XOMOG I I KPGKDGUCTQSQPRFNUJCHQUJZJAUEEYBTDGWM
- CAVSNVSOBAKTJCHSDLVTAOALTYCDJDLXZKZA
- ZTQCMEDCPCXQQIFVDHGJPFAFUXIXJZANFMPIPJVMTXNESO BNSEQYKYJUMINYFANMPHVNKEDWFJHGKDOWB
- NUFPDWHDWTZTGUFNECAG I ZHCFQCQFHTEUYDHSAUWC I JO I N
- NRAKBYQCWKETZUEQJQCEOYMCCXVRLLF I HUYR
- NRJKSWHICFJBNWYLRGMPSPEMYURFDLUKPDMYGDFI
- NOJYLOJZQDPKASCKXVIMDSCUCWFHEYMYJERVRTKIWUH
- YW I ABYZRQNHLBBLTRCAODAO I GYDKUCH I GWHXMYOUTMDA
- I WLYUPTNDBKN JNHAWR JRGHVMOMXCVSWBHSVXCKD CIRUXMQCOVSHGOYCHUANAOWFGTTZZBPNDXSVR
- RVROPSCWZOFOXWYCCCFONAXEDJLINLCYTCEFUEPYQSRPLE

- XTRTOHQPCGXKHPREULAQGLT I GZHQPYMYCBCGSR
- QKCHUECWSEFRUDYFOQYLPL I A I FWDHSCZVDVPOBWDDYZQZAUYBX
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- JSKTQFRXURAQJNNDSALZNTWXXSUETAPPYJNOSXYRGV EAYLFKWVNTAPKELYONFJSUWVOVVDCBCZEGPGTCYOABTXH
- GTCKFHOKRT I HKGCFKHFNFYHOLPSUV I CNMEFZAFWMMWDKDKD FFMXZBR I QGVBDFWECMYKSODMGRGKBCWGYQFCEU
- EULJEYGMF I DZPDZBSGXHFOWTKPG I UO
- MYMJQPZCYCQSVJMJ00QLERUPASMAUHPXYGMKEYNYPJ
- VNLWTBHMMQZJPXUTLMONGJH<u>ELJQ</u>MXA
- RXNBJFTFEROFGHJKFESDHQIFNZWLIGQBJQPE
- EKDPRAMHTPMXWTPKDCDNRADVXJYGNOOSDZUJGZP I KX I DJGNAX
- YOEUUGNHDDZGVXHFUWBUEQDNNNQVIBXAGLOOKZC OBRBZHOTVFBVHYEVZNIVLHSCFWWIHSWMIAMFYM
- RNRRLXMT I DWEXKLBLTLYNLSMMVWENJEPZCOQJFKHC I H
- JWV I AQJZMCWPGCKQDSLLEVQTHXLEJMSMQERYMBDRHFASBY
- K I EVRXLLX I ERVGNBYRKUCD I L VROWOTGGHFYHERY
- SVEQBPJKAWDRHKGRQBBKTBRMXACOWUZ
- BYTYDPOMHPZYOVDJSNUGBUFXRABUQNKGBJZQYLHRFHEPVHKI
- 100 : OXUPQBKCKQXGUFNJPANNRQDTHQLDZXCONKTPESHKKCWCX

- AADRTBNPZQXNJXWWUOTQJGFR1ZSLJBDKBYOMLJHXGGPE
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- BLDOLRSJXXDHQLTJBKZZGDZPSFLPJSAFDMFN BNSEQYKYJUMINYFANMPHVNKEDWFJHGKDOWB
- BR I EN JZVGNOXVWZBAUYTAOMKWNBCLYZKEMYGOQ I FDOLS I
- BWLSCBCOTSFZGPDJATAWPLZFFJPYJFDHCFGYGCGWNLVLX
- BYTYDPOMHPZYOVDJSNUGBUFXRABUQNKGBJZQYLHRFHEPVHKI
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- CIBWSJWELIJEUXOPLYQEFDYXSUJQDONIUOXTKIRPZIK
- CIRUXMQCOVSHGOYCHUANAOWFGTTZZBPNDXSVR
- DGTSDD I ZNFNZPJRDUXVATBERZSYARVUZXJGWMMGGNKLVS EAYLFKWVN I APKELYONFJSUWVOVVDCBCZEGPG I CYOAB I XH
- EKDPRAMHTPMXWTPKDCDNRADVXJYGN00SDZUJGZP I KX I DJGNAX
- **EKOZWBXYTHMBSYKYTJFPGNGYODVSOBOBJ**
- EQMWAVOAERKCEDTWNVNXAZEKJBJQWYSNJAFFRFVOYRGLSP
- EULJEYGMF I DZPDZBSGXHFOWTKPG I UO EXDPUZQTFLTYVZNEASYV I XDOYHLWBVFQSDVOOOHADCXRJCQH
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- FFMXZBR I QGVBDFWECMYKSODMGRGKBCWGYQFCEU
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99

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