CS302 OS Lab01 - Report

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1) [15pts]若有以下定义 char s[20] = "SUSTECH",*ps = s , 请写出另外两种可以代表字母E的表 达式。

(1) ps[4] (2) s + 4, *s

2) [35pts]完成代码,在报告中需有sort.c完整的代码截图,并上传sort.c

3) [20pts]完成代码,在报告中需有ex3.c完整的代码截图,并上传ex3.c

```
Q
       lrj11911808@lrj-Precision-3630-Tower: ~/2022_os/assignment...
 .rj11911808@lrj-Precision-3630-Tower:~/2022_os/assignment/week2ass$ gcc -o ex3 .
/ex3.c
 rj11911808@lrj-Precision-3630-Tower:~/2022_os/assignment/week2ass$ ./ex3
student1:
Student name: OS_Bob
Student ID: 12100001
Student score: 100.000000
Student birthday: 2001-2-23
p:
Student name: OS_Bob
Student ID: 12100001
Student score: 100.000000
Student birthday: 2001-2-23
lrj11911808@lrj-Precision-3630-Tower:~/2022_os/assignment/week2ass$
```

4) [35pts]完成代码,在报告中需有linklist.c完整的代码截图,并上传linklist.c

```
File Edit Selection View Go Run Terminal Help
                                                         C linklist.c × M Makefile
Ф
     v 2022 OS

√ assignment/week2ass

≡ ans.out

       M Makefile
                                        int elem;
       ∨ ex4
                                   9 int main()
       ≡ ans.out
       ■ linklist
       C linklist.c
                                            int n;
       M Makefile
                                            link* head = (link*) malloc(sizeof(link));
                                            head \rightarrow elem = 0;
                                            head->next = NULL;
                                            link* temp = NULL;
       > lab02
                                                 link* newLink = (link*) malloc(sizeof(link));
                                                 scanf("%d ", &newLink->elem);
                                                newLink->next = head->next;
                                                head->next = newLink:
                                            for (int i = 0; i < n + 1; i++)
                                                 printf("%d ", head->elem);
                                                 temp = head;
                                                head = head >next;
                                                free(temp);
                                            return 0;
```

```
Irj11911808@Irj-Precision-3630-Tower:~/2022_os/assignment/week2ass/ex4$ ls ans.out linklist linklist.c Makefile sample.in sample.out lrj11911808@Irj-Precision-3630-Tower:~/2022_os/assignment/week2ass/ex4$ make cle an rm -rf linklist lrj11911808@Irj-Precision-3630-Tower:~/2022_os/assignment/week2ass/ex4$ make linklist lrj11911808@Irj-Precision-3630-Tower:~/2022_os/assignment/week2ass/ex4$ make linklist oo linklist linklist.c && ./linklist < sample.in > sample.out oo 3 2 1 lrj11911808@Irj-Precision-3630-Tower:~/2022_os/assignment/week2ass/ex4$
```