2018年秋季学期作业题中的往年期末笔试题选

1.(第9次作业)执行下列程序的输出结果是___<u>10,9,8,7,6,1,2,3,4,5</u>___。

```c
#include <stdio.h>
void fun(int a[], int n, int flag)
{
    int t, i, j, k;
    for (i=0; i<n-1; i++)
    {
        k = i;
        for (j=i+1; j<n; j++)
            if (flag? a[k]>a[j]: a[k]<a[j]) k = j;
        if (k != i)
        {
            t = a[k]; a[k] = a[i]; a[i] = t;
        }
    }
}
int main()
{
    int c[10] = {8, 6, 7, 10, 9, 3, 5, 2, 4, 1}, i;
    fun(c, 5, 0);
    fun(c+5, 5, 1);
    for (i=0; i<10; i++)
    {
        printf("%d,", c[i]);
    }
    return 0;
}
```

2.(第11次作业)执行下列程序的输出结果是_____。

```c
#include <stdio.h>
char *a = "HAPPYNEWYEAR";
char b[] = "happynewyear";
int main()
{
    int i = 8;
    printf("%c%c%s%s\n", *a, b[0], b+5, &a[5]);
    while (*(a+i))
        putchar(*(a+(i++)));
    return 0;
}
```

3.(第12次作业)假设将下列程序生成可执行文件test.exe，使用命令行运行test FINAL EXAM，则程序的输出结果是_____。

```c
#include <stdio.h>
int main(int argc, char *argv[])
```

```c
{
    char **p;
    for (p=argv; argc--; p++)
        printf("%c%s", **p, *p);
    return 0;
}
```

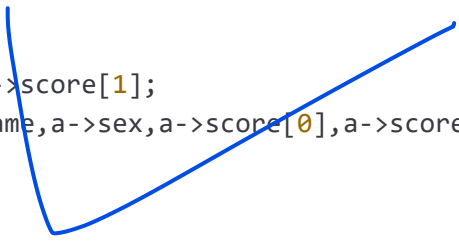4. (第13次作业)将下列程序的输出改为COUT语句，并分析结果_____。

```c
#include <stdio.h>

typedef struct {
    char name[9]; char sex;
    int score[3];
} STU;
void f(STU *a)
{
    STU b={"Zhao", 'm', {85, 90} },*p=&b;
    a->score[2] = a->score[0] + a->score[1];
    a = p;
    a->sex = 'f';
    a->score[2] = a->score[0] + a->score[1];
    printf("%s,%c,%d,%d,%d,",a->name,a->sex,a->score[0],a->score[1],a->score[2]);
}
void main()
{
    STU c={"Qian", 'f', {95, 92} }, *d=&c;
    f(&c);
    printf("%s,%c,%d,%d,%d\n",d->name,d->sex,d->score[0],d->score[1],d->score[2]);
}
```

5. (第14次作业)执行下列程序的输出结果是_____。

```c
#include <iostream> using namespace std; #include <stdio.h>
int main()
{
    FILE *fp;
    char i, a[10]="tsinghua";
    static char b[10];
    fp = fopen("d.txt", "w");
    for(i=0; i<6; i++)
        fprintf(fp, "%c", a[i]);
    fclose(fp);
    fp = fopen("d.txt", "r");
    fseek(fp, 2, SEEK_SET);
    fgets(b, 4, fp);
    fclose(fp);
    cout << b;
    return 0;
}
```