2023-f082复试题目

1.求下列函数的输出值（整数溢出）

```c
#include<stdio.h>
int main(void)
{
    unsigned char i=256;
    int a;
    a = i+256;
    i = a;
    printf("%d\n",i);
    printf("%d\n",a);
    return 0;
}
```

输出：

0

256

2.http1.0协议传输时，客户端几次请求

```html
<html>
<body>
< img src="/image01.jpg">
< img src="/image02.jpg">
< img src="/image03.jpg">
</body>
</html>
```

8次

3.编程实现，输入一组数字，输出所能组成的最大数和最小数，例如输入0 1 2 3 3 4，输出433210，12334

```c
#include <stdio.h>
#include <string.h>
int main()
{
    /*
    while(scanf("%d",&a[size++])){
        if(getchar()=='\n')
            break;
    }
    */
    int i = 0;
    char a[20];
    printf("输入一组数字");
```

```c
    gets(a);
    printf("%s\n", a);
    int n = strlen(a);
    char temp;
    // 冒泡排序
    for (int i = 1; i < n; i++)
    {
        for (int j = 0; j < n - i-1; j++)
        {
            if (a[j] > a[j + 1])
            {
                temp = a[j];
                a[j] = a[j + 1];
                a[j + 1] = temp;
            }
        }
    }
    for (int i = 0; i < n; i++)
    {
        if (a[i] == '0' || a[i] == ' ')
            continue;
        printf("%d", a[i] - '0');
    }
    printf("\n");
    for (int i = n - 1; i >= 0; i--)
    {
        if (a[i] == ' ')
            continue;
        printf("%d", a[i] - '0');
    }
    return 0;
}
```