C++

**Q1.试写出程序输出结果**

int  a=4;

int  &f(int  x)

{

    a=a+x;

      return  a;

}

int main(void)

{    int   t=5;

     cout<<f(t)<<endl;

f(t)=20;

cout<<f(t)<<endl;

     t=f(t);

    cout<<f(t)<<endl;

}

**Q2：Write the “swap\_chars” function to swap character array.(Example : “abcdefg” to “gfedcba”, Hint : the end code of characters is “\0”)**

void main()

{

char inputArray[8] = “abcedfg”;

char outputArray[8];

**swap\_chars(inputArray, outputArray);**

printf(“%s\n”, outputArray);

}

===========================================================

Please define and write your “void swap\_chars(char\*, char\*)” function.

Python

1. 写出程序输出结果

a = 1

def fun(a):

a = 2

fun(a)

print a

a = []

def fun(a):

a.append(1)

fun(a)

print a

1. 写出程序输出结果

def f(x,l=[]):

for i in range(x):

l.append(i\*i)

print l

f(2)

f(3,[3,2,1])

f(3)

1. 使用两种不同方式遍历list a