**C语言测试**

姓名【 】

**一、单选题（2×20=40分**）

1. 要把高级语言编写的源程序转换为目标程序,需要使用 【 D 】

A） 编辑程序 B）驱动程序 C）诊断程序 D）编译程序

1. 以下关于Ｃ语言的叙述中正确的是【 C 】

A）C语言程序将从源程序中第一个函数开始执行

B）可以在程序中由用户指定任意一个函数作为主函数，程序将从此开始执行

C）C语言规定必须用main作为主函数名，程序将从此开始执行，在此结束

D）main可作为用户标识符，用以命名任意一个函数作为主函数

1. 下列可用于C语言用户标识符的一组是【 B 】

A）void, define, WORD

B）a3\_b3, \_123,Car

C）For, -abc, IF Case

D）2a, DO, sizeof

1. 有以下程序 【 A 】

#include <sthio.h>

main()

{

int A=0,B=0,C=0;

C=(A-=A-5); C=(A -=(A-5));

(A=B,B+=4);

printf(“%d, %d, %d\n”,A,B,C)

} 程序运行后输出的结果是

1. 0,4,5 B) 4,4,5 C) 4,4,4 D) 0,0,0
2. 以下对一维数组a的定义正确的是【 C 】
3. Int n = 5, a[n];
4. Int a(5);
5. const int N = 5; int a[N];
6. Int n; n = 5; int a[n];
7. 以下叙述中正确的是【 B 】

[A) 函数的返回值不能是结构体类型](https://www.nowcoder.com/question/javascript:void(0);)

[B) 在调用函数时，可以将结构体变量作为实参传给函数](https://www.nowcoder.com/question/javascript:void(0);)

[C) 函数的返回值不能是结构体指针类型](https://www.nowcoder.com/question/javascript:void(0);)

[D) 结构体数组不能作为参数传给函数](https://www.nowcoder.com/question/javascript:void(0);)

1. 若使用一维数组名作函数实参,则以下正确的说法是【 A 】

[A) 可能不需要在主调函数中说明此数组的大小](https://www.nowcoder.com/question/javascript:void(0);)

[B) 实参数组类型与形参数组类型可以不匹配](https://www.nowcoder.com/question/javascript:void(0);)

[C) 在被调用函数中,不需要考虑形参数组的大小](https://www.nowcoder.com/question/javascript:void(0);)

[D) 实参数组名与形参数组名必须一致](https://www.nowcoder.com/question/javascript:void(0);)

1. C语言中用于结构化程序设计的三种基本结构是【 D 】
2. [if、switch、break](https://www.nowcoder.com/test/question/javascript:void(0);)

[B) if、while、for](https://www.nowcoder.com/test/question/javascript:void(0);)

[C) while、do- while、for](https://www.nowcoder.com/test/question/javascript:void(0);)

D) [顺序结构、选择结构、循环结构](https://www.nowcoder.com/test/question/javascript:void(0);)

1. 两个指针变量的值相等时，表明两个指针变量是【 B 】
2. [占据同一内存单位](https://www.nowcoder.com/question/javascript:void(0);)

[B) 指向同一内存单元地址或者都为空](https://www.nowcoder.com/question/javascript:void(0);)

[C) 是两个空指针](https://www.nowcoder.com/question/javascript:void(0);)

[D) 都没有指向](https://www.nowcoder.com/question/javascript:void(0);)

[10. 若已定义 x 和 y为double 类型则表达式 x=1y=x+3/2 的值是【 C 】](https://www.nowcoder.com/question/javascript:void(0);)

[A) 1 B) 2 C) 2.0 D) 2.5](https://www.nowcoder.com/question/javascript:void(0);)

[11. 有如下嵌套的ｉｆ语句 【 C 】](https://www.nowcoder.com/question/javascript:void(0);)

[if(a<b)](https://www.nowcoder.com/question/javascript:void(0);)

[if(a<c) k=a;](https://www.nowcoder.com/question/javascript:void(0);)

[else k=c;](https://www.nowcoder.com/question/javascript:void(0);)

[else if(b<c) k=b;](https://www.nowcoder.com/question/javascript:void(0);)

[else k=c;](https://www.nowcoder.com/question/javascript:void(0);)

[以下选项中与上述ｉｆ语句等价的语句是](https://www.nowcoder.com/question/javascript:void(0);)

[Ａ）k=(a<b) ? a:b；k=（b＜c）? b:c;](https://www.nowcoder.com/question/javascript:void(0);)

[Ｂ）k=(a<b) ? ((b＜c）? a:b）: ((b＞c) ? b:c);](https://www.nowcoder.com/question/javascript:void(0);)

[Ｃ）k=(a<b) ? ((a＜c）? a:c）:((b＜c) ? b:c);](https://www.nowcoder.com/question/javascript:void(0);)

[Ｄ）k=(a<b) ? a:b；k=（a＜c）?a:c;](https://www.nowcoder.com/question/javascript:void(0);)

[12.有以下程序](https://www.nowcoder.com/question/javascript:void(0);)

[#include <stdio.h>](https://www.nowcoder.com/question/javascript:void(0);)

[main()](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[int s = 0,n;](https://www.nowcoder.com/question/javascript:void(0);)

[for (n=0; n<3; n++)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[switch(s)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[case 0:](https://www.nowcoder.com/question/javascript:void(0);)

[case 1: s+=1;](https://www.nowcoder.com/question/javascript:void(0);)

[case 2: s+=2;break;](https://www.nowcoder.com/question/javascript:void(0);)

[case 3: s+=3;](https://www.nowcoder.com/question/javascript:void(0);)

[default: s+=4;](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[printf("%d\n",s);](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[} 程序运行后的结果是 【 C 】](https://www.nowcoder.com/question/javascript:void(0);)

[A) 1,2,4 B) 1,3,6 C) 3,10,10 D) 3,10,14](https://www.nowcoder.com/question/javascript:void(0);)

[13. 若变量已正确定义，有以下程序段](https://www.nowcoder.com/question/javascript:void(0);)

[i=0;](https://www.nowcoder.com/question/javascript:void(0);)

[do{](https://www.nowcoder.com/question/javascript:void(0);)

[printf("%d,",i);](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[while(i++);](https://www.nowcoder.com/question/javascript:void(0);)

[printf("%d\n",i);其输出结果是 【 B 】](https://www.nowcoder.com/question/javascript:void(0);)

[A）0，0 B）0，1 C）1，1 D）程序进入无限循环](https://www.nowcoder.com/question/javascript:void(0);)

[14. 下列语句组中，正确的是 【 A 】](https://www.nowcoder.com/question/javascript:void(0);)

[Ａ）char \*s；s=＂Olympic＂； Ｂ）char s[7]；s=＂Olympic＂；](https://www.nowcoder.com/question/javascript:void(0);)

[Ｃ）char \*s；s＝｛＂Olympic＂｝； Ｄ）char s[7]；s=｛＂Olympic＂｝；](https://www.nowcoder.com/question/javascript:void(0);)

[15. 设有定义double a[10],\*s＝ａ；，以下能够代表数组元素a[3]的是 【 B 】](https://www.nowcoder.com/question/javascript:void(0);)

[Ａ）(\*s）[3] Ｂ）\*（s+3）](https://www.nowcoder.com/question/javascript:void(0);)

[Ｃ）\*s[3] Ｄ）\*s+3](https://www.nowcoder.com/question/javascript:void(0);)

[16. 若有以下定义和语句 【 A 】](https://www.nowcoder.com/question/javascript:void(0);)

[char s1[10]＝＂abcd!"，s2=＂\n123\\＂；](https://www.nowcoder.com/question/javascript:void(0);)

[printf（＂％ｄ％ｄ＼ｎ＂，strlen（s1），strlen（s2））；](https://www.nowcoder.com/question/javascript:void(0);)

[则输出结果是](https://www.nowcoder.com/question/javascript:void(0);)

[Ａ）5 5 Ｂ）10 5 Ｃ）10　7 Ｄ）5　8](https://www.nowcoder.com/question/javascript:void(0);)

[17. 有以下程序](https://www.nowcoder.com/question/javascript:void(0);)

[#include <stdio.h>](https://www.nowcoder.com/question/javascript:void(0);)

[int f(int m)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[static int n = 0;](https://www.nowcoder.com/question/javascript:void(0);)

[n += m;](https://www.nowcoder.com/question/javascript:void(0);)

[return n;](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[main ( )](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[int n=0;](https://www.nowcoder.com/question/javascript:void(0);)

[printf("%d,",f(++n));](https://www.nowcoder.com/question/javascript:void(0);)

[printf("%d\n",f(n++));](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[程序运行后的输出结果是【 A 】](https://www.nowcoder.com/question/javascript:void(0);)

[A)1,2 B)1,1 C)2,3 D)3,3](https://www.nowcoder.com/question/javascript:void(0);)

[18. 以下程序的输出结果是 【 B 】](https://www.nowcoder.com/question/javascript:void(0);)

[int main()](https://www.nowcoder.com/question/javascript:void(0);)

[{ int a[]={5,8,7,6,2,7,3}; int y,\*p=&a[1]; y=(\*--p)++; printf(“%d,”,y); printf(“%d”,a[0]);](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[A) 6,6 B) 5,6 C) 6,5 D) 8,5](https://www.nowcoder.com/question/javascript:void(0);)

[19. 以下输出正确的是 【 B 】](https://www.nowcoder.com/question/javascript:void(0);)

[char \*a[3]={“hello”,”world”,”china”};](https://www.nowcoder.com/question/javascript:void(0);)

[char \*\*p = a+1;](https://www.nowcoder.com/question/javascript:void(0);)

[printf(“%s,”,\*a+1);](https://www.nowcoder.com/question/javascript:void(0);)

[printf(“%s\n”,\*(p+1));](https://www.nowcoder.com/question/javascript:void(0);)

[A) hello,china B) ello,china C) world,hina D) orld,hina](https://www.nowcoder.com/question/javascript:void(0);)

[20. 有以下程序](https://www.nowcoder.com/question/javascript:void(0);)

[#include <stdio.h>](https://www.nowcoder.com/question/javascript:void(0);)

[#include <string.h>](https://www.nowcoder.com/question/javascript:void(0);)

[void fun(char \*w, int m)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[char s,\*p1, \*p2;](https://www.nowcoder.com/question/javascript:void(0);)

[p1 = w;](https://www.nowcoder.com/question/javascript:void(0);)

[p2 = w+m-1;](https://www.nowcoder.com/question/javascript:void(0);)

[while (p1<p2)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[s=\*p1;](https://www.nowcoder.com/question/javascript:void(0);)

[\*p1=\*p2;](https://www.nowcoder.com/question/javascript:void(0);)

[\*p2=s;](https://www.nowcoder.com/question/javascript:void(0);)

[p1++;](https://www.nowcoder.com/question/javascript:void(0);)

[p2--;](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[main( )](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[char a[]="123456";](https://www.nowcoder.com/question/javascript:void(0);)

[fun(a,strlen(a));](https://www.nowcoder.com/question/javascript:void(0);)

[puts(a);](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[程序运行后的输出结果是 【 A 】](https://www.nowcoder.com/question/javascript:void(0);)

[A)654321 B)116611 C)161616 D)123456](https://www.nowcoder.com/question/javascript:void(0);)

**[二、填空题，请将每空正确的答案写在答卷的相应位置。（每题2分，共10分）](https://www.nowcoder.com/question/javascript:void(0);)**[【 】](https://www.nowcoder.com/question/javascript:void(0);)

1. [int i=10, j=10, k=3; k\*=i+j; k最后的值是 60 ？](https://www.nowcoder.com/question/javascript:void(0);)
2. [以下程序段的输出结果是 rgb 。](https://www.nowcoder.com/question/javascript:void(0);)

[mian()](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[char \*ch[4]={“red”,”green”,”blue”};](https://www.nowcoder.com/question/javascript:void(0);)

[int i=0;](https://www.nowcoder.com/question/javascript:void(0);)

[while (ch[i]);](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[Putchar (ch[i][0]);](https://www.nowcoder.com/question/javascript:void(0);)

[i++;](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

1. [设a、b、c都是整型变量如果a的值为1，b的值为2则执行c=a++ || b++语句后变量a、b的值分别是 2,2 。](https://www.nowcoder.com/question/javascript:void(0);)
2. [Short a = 32767 `a = a + 1;printf(“%hd\n”,a);输出结果为： -32768 。](https://www.nowcoder.com/question/javascript:void(0);)
3. [int x = 11, y = 10; printf(“%d, %d, %d”,x, (x++, y), y++); 输出结果为: 12 ,11 ,10 。](https://www.nowcoder.com/question/javascript:void(0);)

**[三、简答题。（每题5分，共20分）](https://www.nowcoder.com/question/javascript:void(0);)**  [【 】](https://www.nowcoder.com/question/javascript:void(0);)

[1. 请简述#ifndef #define #endif整体作用?](https://www.nowcoder.com/question/javascript:void(0);)

[答：防止头文件的重复包含和编译。](https://www.nowcoder.com/question/javascript:void(0);)

[2. 请写出static关键字尽可能多的作用，至少两点。](https://www.nowcoder.com/question/javascript:void(0);)

[答：1、限制作用域，避免其它程序文件调用本文件static修饰的变量或函数；](https://www.nowcoder.com/question/javascript:void(0);)

[2、指定变量的数据存储区；](https://www.nowcoder.com/question/javascript:void(0);)

[3、延长生命周期等](https://www.nowcoder.com/question/javascript:void(0);)

[3. 请写出const关键字的作用。](https://www.nowcoder.com/question/javascript:void(0);)

[答：1、欲阻止一个变量被改变，可以使用const关键字。在定义该const变量时，通常需要对它进行初始化，因为以后就没有机会再去改变它了；     
 2、对指针来说，可以指定指针本身为const，也可以指定指针所指的数据为const，或二者同时指定为const；     
 3、在一个函数声明中，const可以修饰形参，表明它是一个输入参数，在函数内部不能改变其值。](https://www.nowcoder.com/question/javascript:void(0);)

[4.请问运行Test 函数会有什么样的结果，为什么会有这样的结果？](https://www.nowcoder.com/question/javascript:void(0);)

[char \*GetMemory(void)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[char p[] = "hello world";](https://www.nowcoder.com/question/javascript:void(0);)

[return p;](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[void Test(void)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[char \*str = NULL;](https://www.nowcoder.com/question/javascript:void(0);)

[str = GetMemory();](https://www.nowcoder.com/question/javascript:void(0);)

[printf(str);](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[答：当函数调用完成后，字符数组p所在空间被释放，此时在Test（）函数调用时，指针str指向的非法空间，某些情况下程序可以输出结果，但是这是非法的。](https://www.nowcoder.com/question/javascript:void(0);)

**[四、编程题(共2题，30分)](https://www.nowcoder.com/question/javascript:void(0);)** [【 】](https://www.nowcoder.com/question/javascript:void(0);)

1. [编写char \*strcpy(char \*str,const char \*dest)(13分)](https://www.nowcoder.com/question/javascript:void(0);)

[解：](https://www.nowcoder.com/question/javascript:void(0);)

[#include <stdio.h>](https://www.nowcoder.com/question/javascript:void(0);)

[char \*strcpy(char \*str,const char \*dest)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[char \*p = str;](https://www.nowcoder.com/question/javascript:void(0);)

[while(\*dest != '\0'){](https://www.nowcoder.com/question/javascript:void(0);)

[\*str = \*dest;](https://www.nowcoder.com/question/javascript:void(0);)

[str++;](https://www.nowcoder.com/question/javascript:void(0);)

[dest++;](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[return p;](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[2.输入一个整数字符串转换为一个整数值，如”1234”转换为1234，”-1234”转换为-1234。读懂main函数，编写转换函数chnum。](https://www.nowcoder.com/question/javascript:void(0);)

[解：](https://www.nowcoder.com/question/javascript:void(0);)

[#include<stdio.h>](https://www.nowcoder.com/question/javascript:void(0);)

[#include<string.h>](https://www.nowcoder.com/question/javascript:void(0);)

[int main(void)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[char s[60];](https://www.nowcoder.com/question/javascript:void(0);)

[int n;](https://www.nowcoder.com/question/javascript:void(0);)

[long chnum(char \*p);](https://www.nowcoder.com/question/javascript:void(0);)

[gets(s);](https://www.nowcoder.com/question/javascript:void(0);)

[if (\*s=='-') n=-chnum(s+1);](https://www.nowcoder.com/question/javascript:void(0);)

[else n=chnum(s);](https://www.nowcoder.com/question/javascript:void(0);)

[printf("%d\n",n);](https://www.nowcoder.com/question/javascript:void(0);)

[return 0;](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[long chnum(char \*p)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[long sum=0;](https://www.nowcoder.com/question/javascript:void(0);)

[while(\*p)](https://www.nowcoder.com/question/javascript:void(0);)

[{](https://www.nowcoder.com/question/javascript:void(0);)

[if(\*p>='0'&&\*p<='9')](https://www.nowcoder.com/question/javascript:void(0);)

[sum=sum\*10+\*p-'0';](https://www.nowcoder.com/question/javascript:void(0);)

[p++;](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)

[return sum;](https://www.nowcoder.com/question/javascript:void(0);)

[}](https://www.nowcoder.com/question/javascript:void(0);)