C第7次(第7周)作业(参考答案)

printf("%s", t);

}

考试形式: 开卷 考试时间: 2024-4-15 院系: 东吴学院 年级: 2023 专业: 非计算机专业 学号: ______ 姓名:_____ 分数:_____ -、选择题(每小题2.0分,共20.0分) 01. A 02. D 03. A 04. A 05. D 07. B 06. A 08. D 09. A 10. B 二、填空题(每空2.0分,共20.0分) 01. 8 02. 9 03. 2 04. 3, 5 3, 5 05. 4 06. fdf+abc=defdfd 07. 8 50 50, 9 三、编程题(每小题6.0分,共60.0分) 01. (6.0分)答: #include <stdio.h> #include <string.h> void fun(char *s, char t[]) int i, j=0; for $(i=0; s[i]!=' \setminus 0'; i++)$ if(!(i%2==0 && s[i]%2!=0)) t[j++]=s[i]; $t[j]='\setminus 0';$ int main() { char s[100], t[100]; scanf("%s", s); fun(s, t);

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02. (6.0分)答:
#include <stdio.h>
#include <math.h>
double fun(double x[9])
   double sum=0;
   int i;
   for (i=0; i<8; i++)
      sum = sqrt((x[i] + x[i+1])/2.0);
    return sum;
int main()
  double s, a[9];
  int i;
  for (i=0; i<9; i++)
    scanf("%lf",&a[i]);
  s=fun(a);
  printf("s=\%f", s);
03. (6.0分)答:
#include <stdio.h>
#include <string.h>
void fun(char p1[], char p2[])
    int i, j;
    //寻找p1的结尾
    i=0;
    while (p1[i]!='\0') i^{++};
    //将p2中的字符依次复制到p1的末尾
    j=0;
    while (p2[j]!=' \setminus 0')
p1[i]=p2[j];
i++;
 j++;
    //为p1添加字符串结束标记
    p1[i]='\setminus 0';
int main()
    char s1[80], s2[40];
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scanf ("%s%s", s1, s2);
   fun(s1, s2);
   printf("%s", s1);
04. (6.0分)答:
#define _CRT_SECURE_NO_WARNINGS
#include <stdio.h>
#define M 100
void read(int* a, int m, int n)
{
   int i, j;
   for (i = 0; i < m; i++)
       for (j = 0; j < n; j++)
           scanf("%d", a + i * n + j);
void write(int* a, int m, int n)
   int i, j;
   for (i = 0; i < m; i++)
       for (j = 0; j < n; j++)
           printf("%d", *(a + i * n + j));
       printf("\n");
int main()
   int a[M][M], m, n;
   scanf("%d%d", &m, &n);
   read(&a[0][0], m, n);
   write(&a[0][0], m, n);
   return 0;
05. (6.0分)答:
#define _CRT_SECURE_NO_WARNINGS
#include <stdio.h>
//在升序数组中查找,找到返回数组下标,失败返回-1
int binary_search(int key, int a[], int n)
{
   int low, high, mid, count = 0, count1 = 0;
   1ow = 0;
   high = n - 1;
   while (low \le high)
                                   //查找范围不为0时执行循环体语句
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count++;
                                //count记录查找次数
       mid = (1ow + high) / 2;
                               //求中间位置
                               //key小于中间值时
       if (key < a[mid])
          high = mid - 1;
                               //确定左子表范围
                            //key 大于中间值时
       else if (key > a[mid])
          low = mid + 1;
                               //确定右子表范围
       else if (key == a[mid]) //当key等于中间值时,证明查找成功
               printf("查找成功!\n 查找 %d 次!a[%d]=%d", count, mid, key);  //输出查找次
          //
数及所查找元素在数组中的位置
          //
                      count1++;
                                           //count1记录查找成功次数
          //
                      break;
          return mid;
       }
   return -1;
#define N 10
int main()
   int a[N], x, i;
   for (i = 0; i < N; i++)
      scanf("%d", &a[i]);
   scanf("%d", &x);
   if ((i = binary_search(x, a, N)) >= 0)
       printf("%d", i);
   else
       printf("无");
   return 0;
06. (6.0分)答:
#include <stdio.h>
#define M 4
#define N 5
int fun (int a[M][N])
   int i, j, sum=0;
   for (i=0; i \le M; i++)
     for (j=0; j<N; j++)
       if(i==0 \mid \mid i==M-1 \mid \mid j==0 \mid \mid j==N-1)
        sum+=a[i][j];
   return sum;
```

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}
int main()
{ int aa[M][N];
   int i, j, y;
   for (i=0; i< M; i++)
     for (j = 0; j < N; j ++)
    scanf("%d", &aa[i][j]);
  y = fun(aa);
  printf( "%d", y);
07. (6.0分)答:
#include <stdio.h>
void fun(int *s, int t, int *k)
{
   int i;
   *k=0;
   for (i=0; i < t; i++)
    if(s[i]>s[*k])
  *k=i;
int main()
    int a[10], k;
    for (k=0; k<10; k++)
     scanf("%d", &a[k]);
    fun(a, 10, &k);
    printf("%d, %d", k, a[k]) ;
}
08. (6.0分)答:
#include <stdio.h>
#include <string.h>
#define N 16
typedef struct
{ char num[10];
   int
        s;
} STREC;
STREC fun(STREC *a, char *b)
 int i;
 STREC t = {"", -1};
 //在此添加代码
  for (i=0; i< N; i++)
  {
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if(strcmp(a[i].num, b) == 0)
          return a[i];
  return t;
int main()
 STREC s[N] = \{ \{\text{"GA005"}, 85\}, \{\text{"GA003"}, 76\}, \{\text{"GA002"}, 69\}, \{\text{"GA004"}, 85\}, \}
  {"GA001", 91}, {"GA007", 72}, {"GA008", 64}, {"GA006", 87},
  {"GA015", 85}, {"GA013", 91}, {"GA012", 64}, {"GA014", 91},
  {"GA011", 77}, {"GA017", 64}, {"GA018", 64}, {"GA016", 72}};
   STREC h;
   char m[10];
   int i;
   gets(m);
   h=fun( s, m );
   printf("%d", h. s);
}
09. (6.0分)答:
#include <stdio.h>
#include <string.h>
char* reverse(char s[])
{
 int i, 1 = strlen(s);
 char t;
 for (i = 0; i < 1 / 2; i++)
 {
 t = s[i];
  s[i] = s[1 - 1 - i];
  s[1 - 1 - i] = t;
 }
 return s;
char* convert(int x, char s[])
 int i = 0;
 while (x)
  s[i] = x \% 8;
  s[i] += '0';
  _{\rm X} /= 8;
  i++;
 }
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s[i] = 0;
reverse(s);
return s;
int main()
int x;
char s[20];
scanf("%d", &x);
convert(x, s);
printf("%s", s);
return 0;
10. (6.0分)答:
#define CRT SECURE NO WARNINGS
#include <stdio.h>
//在升序数组中查找,找到返回数组下标,失败返回-1
int binary search(int key, int a[], int n)
{
   int low, high, mid, count = 0, count1 = 0;
   1ow = 0;
   high = n - 1;
   while (low <= high)
                              //查找范围不为0时执行循环体语句
                              //count记录查找次数
      count++;
      mid = (low + high) / 2;
                             //求中间位置
      if (key < a[mid])
                             //key小于中间值时
          high = mid - 1;
                             //确定左子表范围
      else if (key > a[mid]) //key 大于中间值时
          low = mid + 1;
                              //确定右子表范围
      else if (key == a[mid]) //当key等于中间值时,证明查找成功
          //
                     printf("查找成功!\n 查找 %d 次!a[%d]=%d", count, mid, key); //输出查找次
数及所查找元素在数组中的位置
          //
                                         //count1记录查找成功次数
                     count1++;
                     break;
          return mid;
      }
   return -1;
#define N 10
int main()
```