Name: Id#

ICS 103, Term 083

Computer Programming in C

Quiz# 3

Date: Tuesday, August 18, 2009

**Find the output of the following programs:**

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| --- | --- |
| **Program** | **Output** |
| 1. **6 points**   #include <stdio.h>    void test1(int x, char htable[]);  int main(void)  {  int x=125;  char htable[]={'0','1','2','3', '4','5','6','7','8','9','A','B', 'C','D','E','F'};    test1(x, htable);  printf("\n");  return 0;  }  void test1(int x, char htable[]){    if (!x) return;  else test1(x/16, htable);  printf("%c", htable[x%16]);  } |  |
| 1. **6 points**     #include <stdio.h>  #define SIZE 10  void test2 (int x[], int n){  int i;  for (i=0; i<n; i++)  x[i]=i\*i;  }  void test3 (int x[], int n){  int i,j;  for (i=0; i<n/2; i++){  j=x[i];  x[i]=x[n-i-1];  x[n-i-1]=j;  }  }  void test4 (int x[], int n){  int i;  for (i=0; i<n; i++)  printf("%d ",x[i]);  printf("\n");  }  int main(void)  {  int x[SIZE];  test2(x, SIZE);  test3(x, SIZE);  test4(x, SIZE);  return 0;  } |  |