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 10void 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;} |  |