Name: KEY Id#

ICS 103, Term 092

Computer Programming in C

Quiz# 5

 Date: Tuesday, May 23, 2010

**Q1.** **Find the output of each of the following programs:**

|  |  |
| --- | --- |
| **Program** | **Output** |
| 1. **(5 points)**

#include <stdio.h> int main() {int j, k ;int b[3][3]={1,2,3,4,5,6,7,8,9};for (k=0;k<3;k=k+2) { for (j=2;j>=0;j--) printf("%d\t",b[j][k]); printf("\n");}return 0;} |  **7 4 1****9 6 3** |
| 1. **(5 points)**

 #include <stdio.h> #include <string.h>int mystrcmp(char s1[], char s2[]) { return strlen(s1)-strlen(s2);}int main() {int i;char text[3][10]={"AB","CDE","F"};for(i=0;i<2;i++) { if(mystrcmp(text[i],text[i+1])>0) strcat(text[i],text[i+1]); else if(mystrcmp(text[i],text[i+1])<0) strcat(text[i+1],text[i]); else strcpy(text[i+1],text[i]); puts(text[i]);}return 0;} | **AB****CDEABF** |

**Q2. Write a function that receives a two-dimensional array of integers, the number of columns and two row numbers i and j. The function exchanges the two rows i and j. (5 points)**

void swapr(int x[][MAXC], int nc, int i, int j){

 int t;

 for (int k=0; k<nc; k++){

 t = x[i][k];

 x[i][k]=x[j][k];

 x[j][k]=t;

 }

}