Name: **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
(i) **(5 points)** ```c\n#include <stdio.h>\nint main() {\nint j, k ;\nint b[3][3]={1,2,3,4,5,6,7,8,9};\nfor (k=0;k<3;k=k+2) {\n for (j=2;j>=0;j--)\n printf("%d\t",b[j][k]);\n printf("\n");\n}\n\nreturn 0;\n}\n```	

(ii)   **(5 points)**

```c
#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;
}
```

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)**