

Name : _____

CS 100 Quiz #7

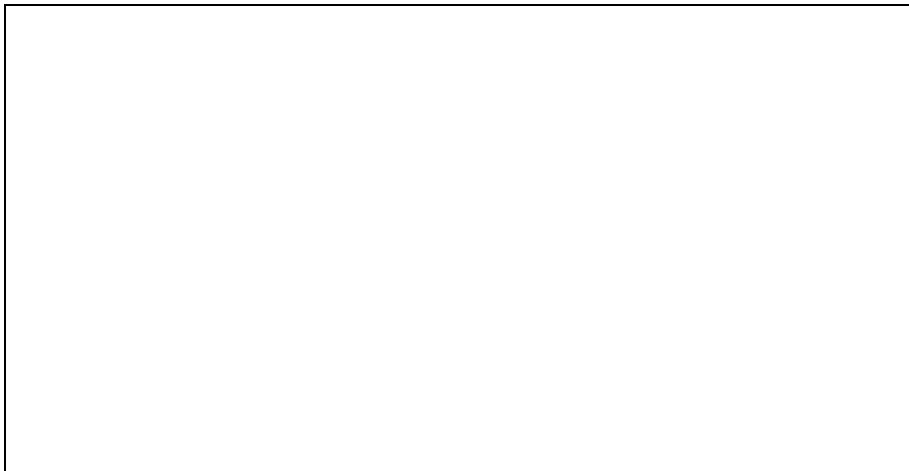
Give the output of the C program shown below when run with:

`./a.out ALABAMA CRIMSON 145`

```
#include <stdio.h>
#include <stdlib.h>

int main(int argc, char *argv[]) {
    int num = atoi(argv[3]);

    while (num > 0) {
        int val = num % 10;
        printf("%c %c\n",
            argv[1][val], argv[2][val]);
        num = num / 10;
    }
    return 0;
}
```



Using the data files shown below, give the output of the C program:

The file **data1** contains: 10 20 0 5 15

The file **data2** contains: 5 15 25 15 5

```
#include <stdio.h>
int main(void) {
    FILE *fp1 = fopen("data1", "r");
    FILE *fp2 = fopen("data2", "r");
    int a, b, c, d;
    fscanf(fp1, "%d", &c);
    fscanf(fp2, "%d", &d);
    for (int z=0; z<4; z++) {
        fscanf(fp1, "%d", &a);
        fscanf(fp2, "%d", &b);
        if (a < c) c = a;
        if (b > d) d = b;
    }
    printf("%d and %d\n", c, d);
    fclose(fp1);
    fclose(fp2);
    return 0;
}
```

