Name: MOHD ABBAS ZAIDI Section: B-2 Rollno: 150413

Quiz #3 Pages: 2 Duration: 15 minutes

Question 1. (10 points) The following program reads **up to 10 characters** until a . (DOT) is encountered, and prints certain self-explanatory counts. **DOT** is also counted as **other** character.

```
#include <stdio.h>

int cUpper, cLower, cOther;

int mid(char a, char ch, char b){
    return ((a <= ch) && (ch <= b)) ? -1 : 0;
}

int main()
{
    char ch;
    int k=1;

    for (;k<10;k++) {

        scanf("%c", ch); // read the next char

        if ( mid('a',ch,'z') ) {
            cLower++;
            continue;
        }

        if ( mid('A',ch,'Z') ) {
            cUpper++;
            continue;
        }

        cOther++;

        if (ch = '.') break;

    }

    printf("Lower = %d, Upper = %d, Other = %d\n",
           cLower, cUpper, cOther);

    return 0;
}
```

This program compiles well but it produces unexpected results. You have to give the **minimum** number of changes required to fix the program, in the space below.

Line#	Change
3	int cUpper=0, cLower=0, cOther=0; ✓
6	return(((a<=ch)&&(ch<=b))?-1:0); -0.5
14	for (; k<=10; k++){ ✓
16	scanf("%c", &ch); ✓
23	else if
28	else