

Name : \_\_\_\_\_

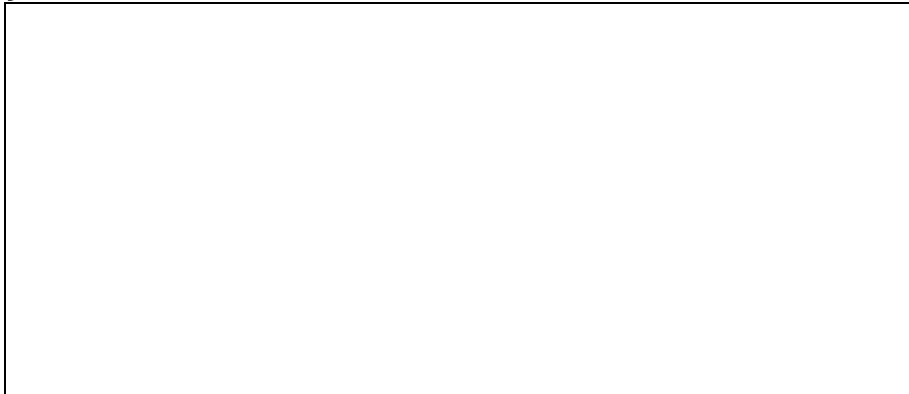
What is the output of the C program shown below?

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

int f1(int a, int b, int c) {
    return ( (a / c) + (b % a) );
}

int f2(char str[], char ch) {
    int a = strlen(str);
    for (int z=0; z<a; z++) {
        if (str[z] == ch) return 1;
    }
    return 0;
}

int main(void) {
    printf("1 = %d\n", f1(5, 9, 2) );
    printf("2 = %d\n", f1(4, 9, 1) );
    printf("3 = %d\n", f2("Crimson", 'a' ));
    printf("4 = %d\n", f2("Alabama", 'a' ));
    return 0;
}
```



What is the output of the C program shown below?

```
#include <stdio.h>

int main(void) {
    int nums[8] = { 3,1,4,1,5,9,2,6 };

    int z = 0;
    for (int a=0; a<8;a++)
        z = z + nums[a];
    printf("z is %d\n", z);

    int b=0, c=7;
    while (b < c) {
        printf("%d\n", nums[b] + nums[c]);
        b = b + 1;
        c = c - 1;
    }
    return 0;
}
```



What is the output of the C program shown below?

Name : \_\_\_\_\_

CS 100 Quiz #5

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

int f1(int a, int b, int c) {
    return ( (a / c) + (b % a) );
}

int f2(char str[], char ch) {
    int a = strlen(str);
    for (int z=0; z<a; z++) {
        if (str[z] == ch) return 1;
    }
    return 0;
}

int main(void) {
    printf("1 = %d\n", f1(5, 7, 2) );
    printf("2 = %d\n", f1(4, 7, 1) );
    printf("3 = %d\n", f2("Crimson", 'o' ));
    printf("4 = %d\n", f2("Alabama", 'f' ));
    return 0;
}
```

```
#include <stdio.h>

int main(void) {
    int nums[8] = { 2,7,1,8,2,8,1,8 };

    int z = 0;
    for (int a=0; a<8;a++)
        z = z + nums[a];
    printf("z is %d\n", z);

    int b=0, c=7;
    while (b < c) {
        printf("%d\n", nums[b] + nums[c]);
        b = b + 1;
        c = c - 1;
    }
    return 0;
}
```

What is the output of the C program shown below?