

Name : _____

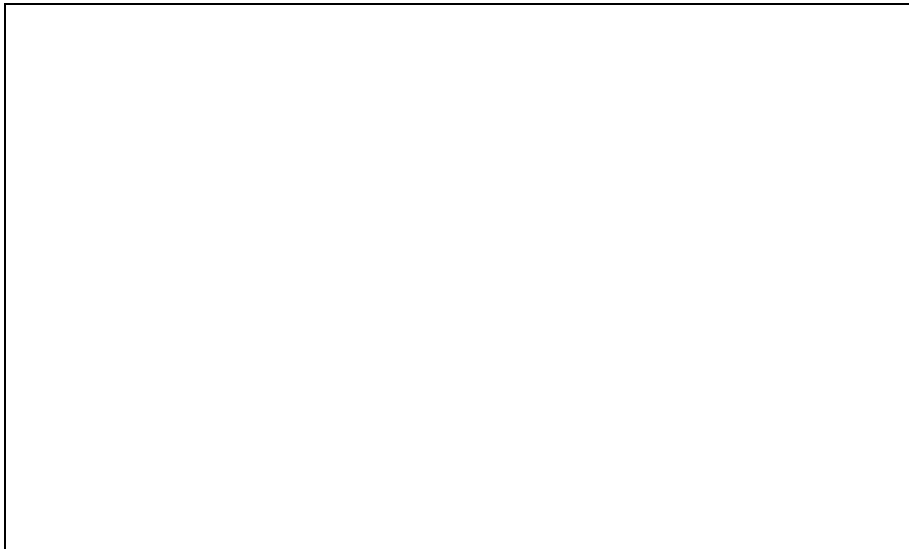
CS 100 Quiz #5

What is the output of the C program shown below when the user enters the following input: **ABCDE 3 1 4 1 0**

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

int main(void) {
    char str[10];
    int a, nums[5];
    scanf("%s", str);
    for (a=0; a<5; a++) {
        scanf("%d", &nums[a]);
    }
    for (a=0; a<5; a++) {
        printf("%c\n", str[ nums[a] ]);
    }

    return 0;
}
```



What is the output of the C program shown below?

```
#include <stdio.h>

int main(void) {
    int a, b, nums[4] = { 4, 3, 2, 1 };
    for (a=0; a<4; a++) {
        int x = a + 1;
        for (b=1; b<=x; b++) {
            nums[a] = nums[a] + b;
        }
    }
    for (a=3; a>=0; a--) {
        printf("%d\n", nums[a]);
    }
    return 0;
}
```

