Quiz 4

1. (5 points)

During the execution of the following program segment, how many lines of asterisks are displayed?

```c
for(i = 0; i < 10; i++)
    for(j = 0; j < 5; j++)
        printf("**********\n");
```

Answer Box:
2. (5 points)
During the execution of the following program segment:

(a) How many times does the first call to `printf` execute?
(b) How many times does the second call to `printf` execute?
(c) What is the last value displayed?

```c
for(i = 0; i < 7; i++) {
    for(j = 0; j < i; i++)
        printf("%4d", i * j);
    printf("\n");
}
```

Answer Box:
3. (5 points) Rewrite the following program segment using a for loop:

```c
count = 0;
i = 0;
while(i < n) {
    scanf("%d", &x);
    if(x == i)
        count++;
    i++;
}
```

Answer Box:

4. (5 points) What is displayed by the following code fragment when the user inputs the value 16?

```c
scanf("%d", &n);
ev = 1;
while(ev <= n){
    printf("%d\n", ev);
    ev += n + 2;
}
```

Answer Box: