

Problem 1, continued

Part C (5 points): What is wrong with the following function?

```
int* sum_of_int (int x, int y)
{
    int sum = x + y;
    return &sum;
}
```

Part D (5 points): Complete the output from the program fragments below.

```
int x = 0;
int i = 4;
for ( i = 0; 10 > i; i++ ) {
    i++;
    x++;
}
printf ("x: %d\ni: %d\n", x, i);
```

Output:

x: _____
i: _____

```
int x = 0;
int i = 4;
while ( 10 > i )
{
    if ( 3 < x ) { break; }
    x++;
    i++;
}
printf ("x: %d\ni: %d\n", x, i);
```

Output:

x: _____
i: _____