**Due before 8:30 AM on 12/10 (20 pts.)**

Tracing Programs

1. Complete the following chart for the program below

def count\_odds(lst):

    num\_odds = 0

    for num in lst:

        if num % 2 != 0:

            num\_odds += 1

    return(num\_odds)

result = count\_odds([1, 2, 3, 4])

print(result)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **result** | **lst** | **num\_odds** | **num** | **if num % 2 != 0** |
| **Start of Program** | **-** | **-** | **-** | **-** | **-** |
| **Call to Function** | **-** | **[1, 2, 3, 4]** | **0** | **-** | **-** |
| **Iteration 1** | **-** | **[1, 2, 3, 4]** | **1** | **1** | **True** |
| **Iteration 2** | **-** | **[1, 2, 3, 4]** | **1** | **2** | **False** |
| **Iteration 3** | **-** | **[1, 2, 3, 4]** | **2** | **3** | **True** |
| **Iteration 4** | **-** | **[1, 2, 3, 4]** | **2** | **4** | **False** |
| **Return** | **2** | **-** | **-** | **-** | **-** |
| **Print** | **2** | **-** | **-** | **-** | **-** |