Question 1

**Tracing**

|  |  |  |  |
| --- | --- | --- | --- |
| a | b | **Output** | **Input** |
| 4 | 0 | Enter a value: | **4** |
| 0 | 1 | Enter a value: | **0** |
| -6 | 2 | Enter a value: | **-6** |
| 0 |  | Enter a value: | **0** |
| -1 |  | Enter a value: | **-1** |
|  |  | Result is: 2 |  |

Print “Enter a value:”

Get *a*

b 🡨 0

While (*a* ≠ -1)

If (*a* = 0)

*b* 🡨 (*b* + 1)

End If

Print “Enter a value:”

Get *a*

End While

|  |  |  |  |
| --- | --- | --- | --- |
| a | b | **Output** | **Input** |
| 7 | 0 | Enter a value: | **7** |
| -2 |  | Enter a value: | **-2** |
| -1 |  | Enter a value: | **-1** |
|  |  | Result is: 0 |  |
|  |  |  |  |
|  |  |  |  |

Print “Result is: “, *b*

End