

Translate the following pseudocode into program code:

TEST DATA

Test your solution with this set of test data:

13, 0, 1, 100, -1, 116, 23, 24, -1000, 66, 90, 76, 12

```
nums ← [0,0,0,0,0,0,0,0,0,0,0]
max ← 0
FOR i ← 1 TO 10
    OUTPUT "Enter number: 0,100 inclusive"
    INPUT x
    WHILE x < 0 OR x > 100 DO
        OUTPUT "Invalid entry! Try again!"
        INPUT x
    END WHILE
    nums[i] ← x
    IF x > max
        THEN
            max ← x
    END IF
END FOR
OUTPUT max, "is the biggest number."
```

EVIDENCE DOCUMENT - Create a Google Doc and answer these questions.

Take a screen shot of the output of the program and paste it into your evidence document.

Explain the purpose of the following lines/blocks of code

```
max ← 0
```

The while loop (pre-condition loop)

```
nums[i] ← x
```

The IF...THEN block of code (conditional statement)