**Guess an integer number in a range**

***Algorithm***

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| --- | --- |
| **Step 1** | Start Process |
| **Step 2** | Assign actual = 30 |
| **Step 3** | Read guess from user |
| **Step 4** | If actual is equal to guess then goto Step 8 |
| **Step 5** | Else compare guess and actual |
| **Step 6** | If guess > actual then print Enter Smaller Number and goto Step 3 |
| **Step 7** | Else print Enter Greater Number and goto Step 3 |
| **Step 8** | Print Number Found |
| **Step 9** | Stop Process |

***Flow Chart***

***Pseudo Code***

START

SET actual = 30

READ guess

WHILE guess not equal to actual THEN

IF guess > actual

PRINT “Enter Smaller Number”

ELSE

PRINT “Enter Greater Number”

END IF

READ guess

END WHILE

PRINT “Number Found”

STOP