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**From:** Vandana Agarwal . (via Nalanda)

**Sent:** 09 April 2023 12:41

**To:** RAMAKANT PANDURANG TALANKAR .

**Subject:** 11551001318\_CS F363\_JAN\_2023: Stage 2: Code generation test cases

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Stage 2: Code generation test cases

by [Vandana Agarwal](#) . - Sunday, 9 April 2023, 12:11 PM

 [Code\\_Generation\\_testcases.zip](#)

Please find attached herewith eleven test cases for your reference. These test cases handle different constructs with increasing complexity.

The formats for reading values from the console are as follows (template for `get_value(a)` should be created according to type of variable `a`).

For primitive data types - integer, real and boolean

\$> Input: Enter an integer value

\$> 5

For array type variable (for example for declare `A: array[6..10] of integer; get_value(A);`, see the format for reading array element values - read element values from different lines)

\$> Input: Enter 5 array elements of integer type for range 6 to 10

\$>2

\$>-6

\$>4

\$>10

\$>-8

**Printing on the console:** The formats for printing values on the console are as follows (template for `print(a)` should be created according to type of variable `a`).

For primitive data types - integer, real and boolean

\$> Output: 10

\$> Output: true

For array type variable - print the array elements all in one line separated by a blank.

\$> Output: 2 -6 4 10 -8

Please inform me if you notice any discrepancy in the test cases c1-c11.

Please inform me, if any test case has

- - any lexical or syntax errors.
  - any type errors except the ones of dynamic types like dynamic arrays or array element access using id or expressions
  - any output wrongly reported by me in each test case
  - not reported any valid output or the reported output is wrong
  - or any other discrepancy observed by you

Driver, compilation, execution details will be uploaded soon.

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