



NORTH SOUTH UNIVERSITY

Department of Electrical & Computer Engineering

Assignment #1

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Assignment-1

a-(I), a-(II): <https://github.com/Abir-Talukder/North-South-University.git>

b- (a): List of all the input variables including the state variables:

1. varnull
2. varnotnull

b- (b): Characteristics of the input variables:

1. varnull: this variable contains null value.
2. varnotnull: this variable contains all the non-null values. As in the assignment code I have used Integer wrapper class as the object, which basically wraps its primitive type int, it will have a range from (- 2147483648 to 2147483647) .

b- (c): Characteristics of the inputs:

The inputs have been divided into 2 characteristics.

1. Null.
2. Not null (- 2147483648 to 2147483647) .

b- (d): These two characteristics have been partitioned into 3 blocks.

1. Greater than 0(>0).
2. Less than 0(<0).
3. Equal to 0(=0).

b- (e):

For null characteristics, all three blocks have the same value, which is null. However, for not null characteristic all three boxes will have 3 different values.

1. Characteristic not null & block (>0) value: 5555
2. Characteristic not null & block (<0) value: -10000
3. Characteristic not null & block (=0) value: 0