

Test Plan – Snow Calls

Necessary cases to test will vary by problem.

As a starting point, test plans should include cases that cover:

- the typical cases for the problem given
- the boundary conditions on all input values
- invalid inputs

| Test Cases | | |
|---|---|-----------|
| Description | Given Input (in bold) and Expected Output | Points |
| Typical case • Covers translation of all individual letters to their respective numbers • Also covers a number with no dashes • Output is exactly as shown | How many phone numbers will be provided? 3 Enter phone number 1: ABC-DEF-GHIJ This is 222-333-4445. Enter phone number 2: KLM-NOP-QRST This is 556-667-7778. Enter phone number 3: UVWXYZ0000 This is 889-999-0000. | 0 1 2 3 4 |
| Typical case • Covers situation where input has more digits and numbers than needed in the input to produce a 10-digit phone number for the output • All other output is exactly as shown | How many phone numbers will be provided? 1 Enter phone number 1: 416-PIZZA-B0X This is 416-749-9226. | 0 1 2 |

| Test Cases | | |
|---|---|--------|
| Description | Given Input (in bold) and Expected Output | Points |
| Typical case • Covers situation where input dashes are not in expected positions • All other output is exactly as shown | How many phone numbers will be provided? 1 Enter phone number 1: 99-SNACKS-99 This is 997-622-5799. | 0 1 2 |
| Boundary condition • 10 is accepted • All other output exactly as shown | How many phone numbers will be provided? 10 Enter phone number 1: 111-111-1111 This is 111-111-1111. Enter phone number 2: 222-222-2222 This is 222-222-2222. Enter phone number 3: 333-333-3333 This is 333-333-3333. Enter phone number 4: 444-444-4444 This is 444-444-4444. Enter phone number 5: 555-555-5555 This is 555-555-5555. Enter phone number 6: 666-666-6666 This is 666-666-6666. Enter phone number 7: 777-777-7777 This is 777-777-7777. Enter phone number 8: 888-888-8888 This is 888-888-8888. Enter phone number 9: 999-999-9999 This is 999-999-9999. Enter phone number 10: 000-000-0000 This is 000-000-0000. | 0 1 2 |

| Test Cases | | |
|---|---|--------|
| Description | Given Input (in bold) and Expected Output | Points |
| Boundary condition • 1 is accepted • All other output is exactly as shown | How many phone numbers will be provided? 1 Enter phone number 1: 123-456-7890 This is 123-456-7890. | 0 1 2 |
| Invalid input • Input below range is rejected • Input above range is rejected | How many phone numbers will be provided? -1 How many phone numbers will be provided? 11 How many phone numbers will be provided? 1 Enter phone number 1: 123-456-7890 This is 123-456-7890. | 0 1 2 |
| Invalid input • String input is rejected for how many numbers to expect | How many phone numbers will be provided? one How many phone numbers will be provided? 1 Enter phone number 1: 123-456-7890 This is 123-456-7890. | 0 1 |
| Invalid input • Decimal input is rejected for how many numbers to expect | How many phone numbers will be provided? 1.3 How many phone numbers will be provided? 1 Enter phone number 1: 123-456-7890 This is 123-456-7890. | 0 1 |

Total score / 16

Comments