

TEST CASE 1: This is a palindrome

```
number=121;
```

```
Welcome to Online IDE!! Happy Coding :)

This is initial number: 121
*****

Current number: 121
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 2
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 12
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 2
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 1
This is first digit: 1
This is last digit: 1
PALINDROME: 1 1
New number going forward: 12
Single digit remaining: 2
-----
121 is a palindrome:   true
-----
```

TEST CASE 2: This is a palindrome

```
number=888;
```

```
Welcome to Online IDE!! Happy Coding :)

This is initial number: 888
*****

Current number: 888
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 2
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 88
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 2
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 8
This is first digit: 8
This is last digit: 8
PALINDROME: 8 8
New number going forward: 88
Single digit remaining: 8
-----
888 is a palindrome:   true
-----
```

TEST CASE 3: This is NOT a palindrome

```
number=678;
```

```
This is initial number: 678
*****
Current number: 678
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 2
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 67
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 2
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 6
This is first digit: 6
This is last digit: 8
NOT PALINDROME
-----
678 is a palindrome:  false
-----
```

TEST CASE 4: This is a palindrome

```
number=44;
```

```
This is initial number: 44
*****
Current number: 44
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 1
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 4
This is first digit: 4
This is last digit: 4
PALINDROME: 4 4
New number going forward: 4
-----
44 is a palindrome:  true
-----
```

TEST CASE 5: This is a palindrome

```
number=56165;
```

```
This is initial number: 56165
*****
Current number: 56165
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 4
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 5616
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 4
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 561
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 4
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 56
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 4
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 5
This is first digit: 5
This is last digit: 5
PALINDROME: 5 5
New number going forward: 5616
Current number: 5616
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 2
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 561
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 2
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 56
This is first digit: 6
This is last digit: 6
PALINDROME: 6 6
New number going forward: 561
Single digit remaining: 1
-----
56165 is a palindrome: true
```

TEST CASE 6: This is NOT a palindrome

```
number=54243245;
```

```
This is initial number: 54243245
*****
Current number: 54243245
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 7
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 5424324
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 7
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 542432
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 7
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 54243
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 7
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 5424
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 7
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 542
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 7
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 54
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 7
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 5
This is first digit: 5
This is last digit: 5
PALINDROME: 5 5
New number going forward: 5424324
Current number: 5424324
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 5
```

```
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 542432
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 5
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 54243
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 5
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 5424
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 5
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 542
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 5
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 54
This is first digit: 4
This is last digit: 4
PALINDROME: 4 4
New number going forward: 542432
Current number: 542432
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 3
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 54243
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 3
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 5424
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 3
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 542
This is first digit: 2
This is last digit: 2
PALINDROME: 2 2
New number going forward: 54243
Current number: 54243
```

```
NUMBER DIVISION BY 10 REQUIRED TO EXPOSE FIRST DIGIT: 1
NEW NUMBER (TO EXPOSE FIRST DIGIT ON RIGHT HANDSIDE): 5424
This is first digit: 4
This is last digit: 3
NOT PALINDROME
-----
54243245 is a palindrome: false
-----
```

TEST CASE 7: This is a palindrome

```
number=9;
```

```
This is initial number: 9
```

```
*****
```

```
-----
```

```
9 is a palindrome: true
```

```
-----
```