Jarron Bailey

Midterm

03/17/2019

Test 1: Loan amount is not a number = <mark>Failed</mark>


```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: abc

Loan Amount must be a number.
Loan Amount: []
```

Test 2: Loan amount less than 0 = <mark>Failed</mark>


```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bail
ey,Jarron Midterm.py"

Loan Amount: -1

Loan amount must be greater than 0
Loan Amount: []
```

Test 3: Loan amount equal to 0 = Failed

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: 0

Loan amount must be greater than 0.
Loan Amount:
```

Jarron Midterm.py   Go Live   Ln 75, Col 32   Spaces: 4   UTF-8   CRLF   Python   😊   🔔

Test 4: Loan amount as an integer = Passed

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bail
ey,Jarron Midterm.py"

Loan Amount: 99990
Number of Years:
```

Jarron Midterm.py   Go Live   Ln 54, Col 47   Spaces: 4   UTF-8   CRLF   Python   😊   🔔

Test 5: Loan amount as a float = <mark>Passed</mark>

```
PROBLEMS 5   OUTPUT   DEBUG CONSOLE   TERMINAL                                    2: Python        ▼   +   ⊡  🗑  ∧  ✕

baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: 99.9999
Number of Years: ▌
```
Jarron Midterm.py   Go Live   Ln 51, Col 49   Spaces: 4   UTF-8   CRLF   Python 🙂 🔔

Test 6: Number of years is not a number = <mark>Failed</mark>

```
PROBLEMS 5   OUTPUT   DEBUG CONSOLE   TERMINAL                                    2: Python        ▼   +   ⊡  🗑  ∧  ✕

baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bail
ey,Jarron Midterm.py"

Loan Amount: 1
Number of Years: j

Number of Years must be a number.
Number of Years: ▌
```
Jarron Midterm.py   Go Live   Ln 61, Col 62   Spaces: 4   UTF-8   CRLF   Python 🙂 🔔

Test 7: Number of years less than 0 = <mark>Failed</mark>

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: 1
Number of Years: -1

Number of years must be greater than 0.
Number of Years: ▌
```
Jarron Midterm.py   Go Live   Ln 63, Col 51   Spaces: 4   UTF-8   CRLF   Python 🙂 🔔

Test 8: Number of years equal to 0 = <mark>Failed</mark>

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: 10000
Number of Years: 0

Number of years must be greater than 0.
Number of Years: █
```

Jarron Midterm.py Go Live   Ln 78, Col 48   Spaces: 4   UTF-8   CRLF   Python 😊 🔔

Test 9: Number of years as an integer = <mark>Passed</mark>

PROBLEMS 5   OUTPUT   DEBUG CONSOLE   **TERMINAL**   2: Python   ▼   +   ⊡   🗑   ∧   ✕

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: 1
Number of Years: 9999
Annual Interest Rate i.e.[7, for 7%]: ▯
```

Jarron Midterm.py Go Live   Ln 72, Col 48   Spaces: 4   UTF-8   CRLF   Python 😊 🔔

Test 10: Number of years as a float = Passed

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: 1
Number of Years: 9999.999
Annual Interest Rate i.e.[7, for 7%]: █
```

Go Live   Ln 65, Col 55   Spaces: 4   UTF-8   CRLF   Python   😊   🔔

Test 11: Annual interest rate is not a number = Failed

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: 1
Number of Years: 9999.999
Annual Interest Rate i.e.[7, for 7%]: j

Annual Interest Rate must be a number.
Annual Interest Rate: █
```

Go Live   Ln 53, Col 28   Spaces: 4   UTF-8   CRLF   Python   😊   🔔

Test 12: Annual interest rate less then 0 = Failed

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: 99
Number of Years: 99
Annual Interest Rate i.e.[7, for 7%]: -1

Annual Interest Rate must be at minimum 0%.
Annual Interest Rate: █
```

Go Live   Ln 76, Col 1   Spaces: 4   UTF-8   CRLF   Python   😊   🔔

Test 13: Annual interest rate equal to 0 = Failed

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: 10000
Number of Years: 1
Annual Interest Rate i.e.[7, for 7%]: 0

Annual Interest Rate must be grater than greater 0%.
Annual Interest Rate:
```
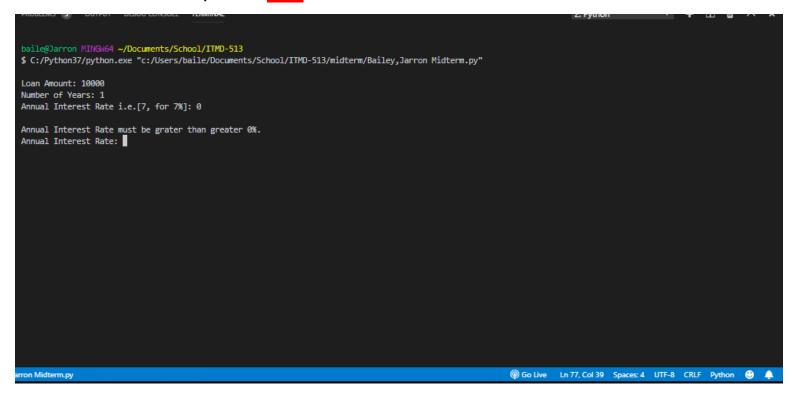
Test 14: Annual interest rate greater than 0= Passed

```
baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$ C:/Python37/python.exe "c:/Users/baile/Documents/School/ITMD-513/midterm/Bailey,Jarron Midterm.py"

Loan Amount: 10000
Number of Years: 1
Annual Interest Rate i.e.[7, for 7%]: 7

Monthly Payment: 865.27
Total Payment: 10383.21

Payment#    Interest    Principal    Balance
1           $58.33      $806.93      $9193.07
2           $53.63      $811.64      $8381.42
3           $48.89      $816.38      $7565.05
4           $44.13      $821.14      $6743.91
5           $39.34      $825.93      $5917.98
6           $34.52      $830.75      $5087.24
7           $29.68      $835.59      $4251.65
8           $24.80      $840.47      $3411.18
9           $19.90      $845.37      $2565.81
10          $14.97      $850.30      $1715.51
11          $10.01      $855.26      $860.25
12          $5.02       $860.25      $0.00


baile@Jarron MINGW64 ~/Documents/School/ITMD-513
$
```