```python
import pandas as pd

df = pd.DataFrame({"A":[12, 4, 5, None, 1],"B":[7, 2, 54, 3, None],"C":[20, 16, 11, 3, 8],"D":[14, 3, None, 2, 6]})

index_ = ['Row_1', 'Row_2', 'Row_3', 'Row_4', 'Row_5']

df.index = index_
df
```

In [1]:

Out[1]:

	A	B	C	D
Row_1	12.0	7.0	20	14.0
Row_2	4.0	2.0	16	3.0
Row_3	5.0	54.0	11	NaN
Row_4	NaN	3.0	3	2.0
Row_5	1.0	NaN	8	6.0

In [3]:

```python
result = df.transform(func = lambda x: x+12)
result
```

Out[3]:

	A	B	C	D
Row_1	24.0	19.0	32	26.0
Row_2	16.0	14.0	28	15.0
Row_3	17.0	66.0	23	NaN
Row_4	NaN	15.0	15	14.0
Row_5	13.0	NaN	20	18.0

In [4]:

```python
import pandas as pd

df= pd.DataFrame ({"A":[12,3,4,None,10],"B":[7,2,43,56,None],"C":[20,16,11,3,4],"D":[12,3,None,10,5]})
```

```
index_ = ['Row_1', 'Row_2', 'Row_3', 'Row_4', 'Row_5']

df.index = index_

print(df)
```

```
          A     B   C     D
Row_1  12.0   7.0  20  12.0
Row_2   3.0   2.0  16   3.0
Row_3   4.0  43.0  11   NaN
Row_4   NaN  56.0   3  10.0
Row_5  10.0   NaN   4   5.0
```

In [5]:
```
result = df.transform(func = ['sqrt','exp'])
result
```

Out[5]:

	A		B		C		D	
	sqrt	exp	sqrt	exp	sqrt	exp	sqrt	exp
Row_1	3.464102	162754.791419	2.645751	1.096633e+03	4.472136	4.851652e+08	3.464102	162754.791419
Row_2	1.732051	20.085537	1.414214	7.389056e+00	4.000000	8.886111e+06	1.732051	20.085537
Row_3	2.000000	54.598150	6.557439	4.727839e+18	3.316625	5.987414e+04	NaN	NaN
Row_4	NaN	NaN	7.483315	2.091659e+24	1.732051	2.008554e+01	3.162278	22026.465795
Row_5	3.162278	22026.465795	NaN	NaN	2.000000	5.459815e+01	2.236068	148.413159

In [6]:
```
text = 'thiS iS aN pYThon cLAsS. i havE ComplTed aLl tHe AssigNmenTS'

print( "\nConverted String to upper case:")
print(text.upper())

print("\nConverted String to lower case:")
print(text.lower())


print("\nConverted first letter to upper in every word:")
print(text.title())
```

```python
print("\nString Case Swapping:")
print(text.swapcase())

print("\nConverted String first leeer to upper:")
print(text.capitalize())



print("\nOriginal String")
print(text)
```

```
Converted String to upper case:
THIS IS AN PYTHON CLASS. I HAVE COMPLTED ALL THE ASSIGNMENTS

Converted String to lower case:
this is an python class. i have complted all the assignments

Converted first letter to upper in every word:
This Is An Python Class. I Have Complted All The Assignments

String Case Swapping:
THIs Is An PytHON ClaSs. I HAVe cOMPLtED AlL ThE aSSIGnMENts

Converted String first leeer to upper:
This is an python class. i have complted all the assignments

Original String
thiS iS aN pYThon cLAsS. i havE ComplTed aLl tHe AssigNmenTS
```

In [ ]: