```python
import pandas as pd
# importing pandas as pd
import pandas as pd
# Creating the DataFrame
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]})
# Create the index
index_ = ['Row_1', 'Row_2', 'Row_3', 'Row_4', 'Row_5']
# Set the index
df.index = index_
# Print the DataFrame
df
```

	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

```python
res=df.transform(func= lambda x:x+10)
res
```

	A	B	C	D
Row_1	22.0	17.0	30	24.0
Row_2	14.0	12.0	26	13.0
Row_3	15.0	64.0	21	NaN
Row_4	NaN	13.0	13	12.0
Row_5	11.0	NaN	18	16.0

```python
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# Creating the DataFrame
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"D":[14, 3, None, 2, 6]})
# Create the index
index_ = ['Row_1', 'Row_2', 'Row_3', 'Row_4', 'Row_5']
# Set the index
df.index = index_
# Print the DataFrame
print(df)
```

```
          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
```

```python
result=df.transform(func= ['sqrt','exp'])
result
```

A	B	C	D		

STRING MANIPULATION

Row 2	2.000000	54.598150	1.414214	7.389056e+00	4.000000	8.886111e+06	1.732051	2.008554e+01

```
str='My Name Is Adya'

print("Covert string to Upper case")
print(str.upper())

print("Covert string to Lower case")
print(str.lower())

print("Convert first letter of every word capital")
print(str.title())

print("Covert the lower case to upper case and vice versa")
print(str.swapcase())

print("Convert string first letter capitalize")
print(str.capitalize())

print("Original string (Note original string never changes)")
print(str)
```

```
    Covert string to Upper case
    MY NAME IS ADYA
    Covert string to Lower case
    my name is adya
    Convert first letter of every word capital
    My Name Is Adya
    Covert the lower case to upper case and vice versa
    mY nAME iS aDYA
    Convert string first letter capitalize
    My name is adya
    Original string (Note original string never changes)
    My Name Is Adya
```

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