10.Create a dataframe of ten rows, four columns with random values. Write a Pandas program to highlight the negative numbers red and positive numbers black.

CODE :

```
import pandas as pd
import numpy as np

# Create a DataFrame with random values
np.random.seed(0)  # For reproducibility
df = pd.DataFrame(np.random.randn(10, 4), columns=list('ABCD'))

# Define a function to highlight negative numbers in red and positive numbers in black
def highlight_numbers(val):
    color = 'red' if val < 0 else 'black'
    return f'color: {color}'

# Apply the formatting function to the DataFrame
styled_df = df.style.applymap(highlight_numbers)

# Display the styled DataFrame
styled_df
```

OUTPUT:

	A	B	C	D
0	1.764052	0.400157	0.978738	2.240893
1	1.867558	-0.977278	0.950088	-0.151357
2	-0.103219	0.410599	0.144044	1.454274
3	0.761038	0.121675	0.443863	0.333674
4	1.494079	-0.205158	0.313068	-0.854096
5	-2.552990	0.653619	0.864436	-0.742165
6	2.269755	-1.454366	0.045759	-0.187184
7	1.532779	1.469359	0.154947	0.378163
8	-0.887786	-1.980796	-0.347912	0.156349
9	1.230291	1.202380	-0.387327	-0.302303