

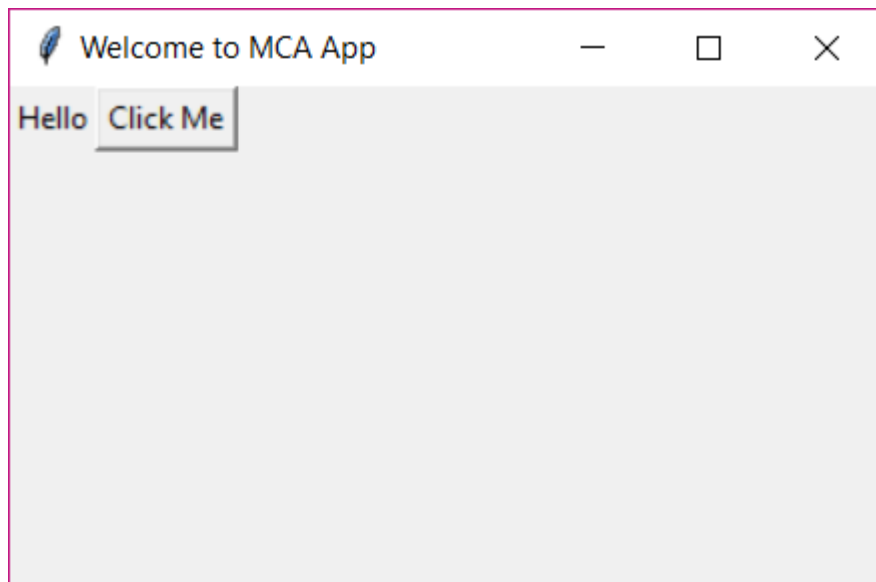
**Department of Computer Applications**  
**PESU**  
**MCA III Sem**  
**Python Programming**

Assignment 9

Use Numpy, Pandas to execute the following

1. Get the characteristics of a numpy array.
2. Create an array from a regular Python list or tuple
3. Create arrays with initial placeholder content.
4. Create sequences of numbers.
5. Returns evenly spaced values in an array within a given interval.
6. Extract all odd numbers from arr  
`arr = np.array([0, 1, 2, 3, 4, 5, 6, 7, 8, 9])`
7. Replace all odd numbers in arr with -1
8. Replace all odd numbers in arr with -1 without changing arr

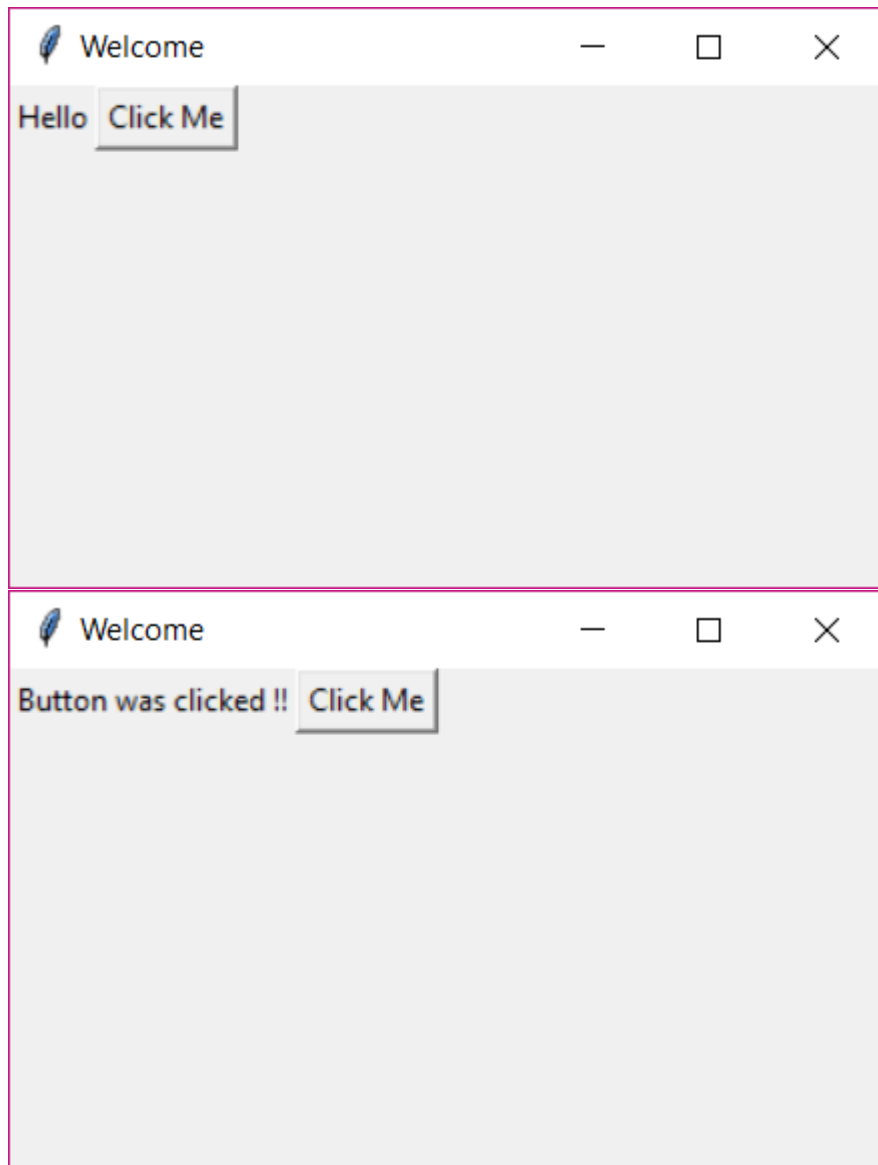
Use tkinter to create the following gui's



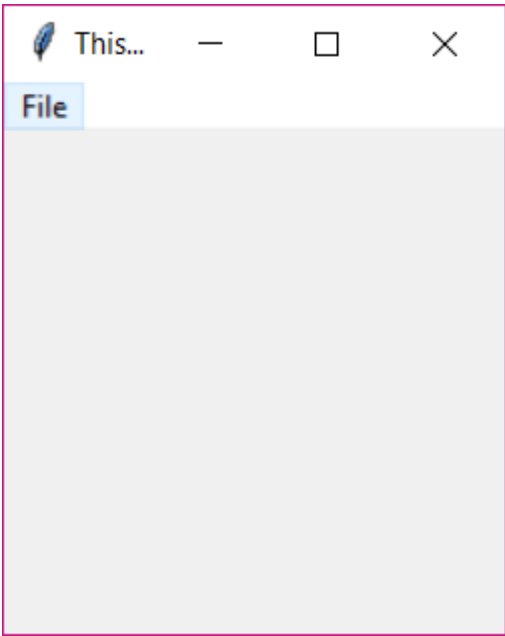
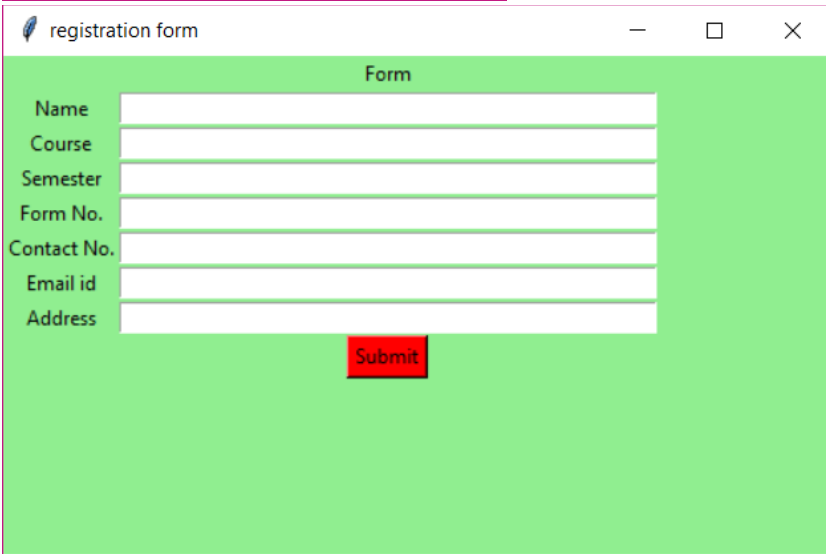
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