Write a Python Program for the calculations of Point Estimates,Interval Estimates and Hypothesis Testing.

```
Def estimates (csv_file, sample_mean=0, Sample_size=0, Std_dev=0, csv_flag = 0):

    —----------------------------
    —----------------------------
    If (csv_flag = 1):
        Sample_mean = pd.mean(csv_file(column))
        Std_dev = pd.std()
        Sample_size = pd.count()
        Calculation for PE
        Calculation of IE
        Calculation if Zstats
        Zstats > alpha then reject Null

    Else :
    —----------------------------
    Automatically decided for Z/T Distribution
    Define a dictionary for alpha values
    Z_dict = {0.05 : 1.64, 0.025 : 1.96}
    T_dict = {}
    Calculation for PE
    Calculation of IE
    Calculation if Zstats
    Zstats > alpha then reject Null
    —----------------------------
    —----------------------------

Return values
```

Output : Input the values
estimates (file, 1000, 50, 55, csv-flag = 1)

The data follows the Z-distribution with
PE is 55.45
IE is 52 to 61
Null-Hypothesis Rejected/Accepted