```
  1 "C:\Users\Dragos\Roba\Lectures\YM1.2\Machine Learning\venv\Scripts\python.exe" "C:\Users\Dragos\Roba\Lectures\YM1.2\Machine Learning\b Labs\Lab8\final.py"
  2 ============================ Prior Weighted ============================
  3 λ          J          err       minDCF    actDCF      π = 0.1
  4 1e-04      1.295710e-01   17.87%    0.5076    0.5205
  5 3e-04      1.307709e-01   17.93%    0.5076    0.5139
  6 1e-03      1.343060e-01   18.43%    0.5076    0.5213
  7 3e-03      1.436651e-01   19.48%    0.5099    0.5237
  8 1e-02      1.642912e-01   22.25%    0.5101    0.5262
  9 3e-02      2.002131e-01   29.97%    0.5095    0.6305
 10 1e-01      2.473025e-01   45.68%    0.5071    0.9167
 11 3e-01      2.889006e-01   49.83%    0.5061    1.0000
 12 1e+00      3.117064e-01   49.83%    0.5081    1.0000
 13 3e+00      3.206240e-01   49.83%    0.5091    1.0000
 14 1e+01      3.236489e-01   49.83%    0.5091    1.0000
 15 3e+01      3.246270e-01   49.83%    0.5091    1.0000
 16 1e+02      3.249385e-01   49.83%    0.5091    1.0000
 17 [[Saved Fingerprints - Prior-Weighted Logistic Regression - pi=0.1.png]]
 18 ====================== Quadratic (Non Weighted) ========================
 19 λ          J          err       minDCF    actDCF      π = 0.1
 20 1e-04      1.513656e-01   7.05%     0.3545    0.3665
 21 [[Saved ./llrs_LR_l0.0001.npy]]
 22 3e-04      1.534955e-01   7.03%     0.3545    0.3662
 23 [[Saved ./llrs_LR_l0.00031622776601683794.npy]]
 24 1e-03      1.596177e-01   7.03%     0.3525    0.3669
 25 [[Saved ./llrs_LR_l0.001.npy]]
 26 3e-03      1.751964e-01   7.03%     0.3527    0.3588
 27 [[Saved ./llrs_LR_l0.0031622776601683794.npy]]
 28 1e-02      2.086068e-01   7.13%     0.3471    0.3769
 29 [[Saved ./llrs_LR_l0.01.npy]]
 30 3e-02      2.686447e-01   7.18%     0.3515    0.4942
 31 [[Saved ./llrs_LR_l0.03162277660168379.npy]]
 32 1e-01      3.594710e-01   7.30%     0.3596    0.7314
 33 [[Saved ./llrs_LR_l0.1.npy]]
 34 3e-01      4.716574e-01   7.58%     0.3719    0.9632
 35 [[Saved ./llrs_LR_l0.31622776601683794.npy]]
 36 1e+00      5.762647e-01   7.90%     0.4011    0.9987
 37 [[Saved ./llrs_LR_l1.0.npy]]
 38 3e+00      6.443501e-01   8.32%     0.4291    1.0000
 39 [[Saved ./llrs_LR_l3.1622776601683795.npy]]
 40 1e+01      6.758062e-01   8.52%     0.4416    1.0000
 41 [[Saved ./llrs_LR_l10.0.npy]]
 42 3e+01      6.874324e-01   8.40%     0.4436    1.0000
 43 [[Saved ./llrs_LR_l31.622776601683793.npy]]
 44 1e+02      6.913151e-01   10.20%    0.4476    1.0000
 45 [[Saved ./llrs_LR_l100.0.npy]]
 46 [[Saved Fingerprints - Non-Weighted Quadratic Logistic Regression - pi=0.1.png]]
 47 ==================== Precentering (Non Weighted) ========================
 48 λ          J          err       minDCF    actDCF      π = 0.1
 49 1e-04      2.377797e-01   10.38%    0.5084    0.5125
 50 3e-04      2.391006e-01   10.38%    0.5084    0.5178
 51 1e-03      2.430980e-01   10.38%    0.5087    0.5292
 52 3e-03      2.543260e-01   10.38%    0.5077    0.5198
 53 1e-02      2.815594e-01   10.42%    0.5061    0.5291
 54 3e-02      3.353240e-01   10.45%    0.5054    0.6158
 55 1e-01      4.198415e-01   10.40%    0.5074    0.8391
 56 3e-01      5.223593e-01   10.42%    0.5058    0.9953
 57 1e+00      6.107602e-01   10.40%    0.5061    1.0000
 58 3e+00      6.614700e-01   10.38%    0.5084    1.0000
 59 1e+01      6.823806e-01   10.48%    0.5091    1.0000
 60 3e+01      6.896594e-01   10.87%    0.5091    1.0000
 61 1e+02      6.920354e-01   14.25%    0.5091    1.0000
 62 [[Saved Fingerprints - Non-weighted Logistic Regression Precentering - pi=0.1.png]]
 63
 64 Process finished with exit code 0
 65
```