```
LAB - 04
02/04/25
                          KNN Clanification
(x, 35, 100) as (Ristor, Age, salary k)
                                                pintance
                       Palary K
                                       Tosget
             Aje
per Person
                                                 31.96
    13
                                        N
                          70
            24
                          60
                                                 31-06
                                                60.01
                          40
            18
                         100
                                (35-18)2+ (100-50)2
                 Distruce
 For person A,
                                V(35-23)2+ (100-55)2
                                                              46.72
                Distance
for person
                                V(35-24) 2 + (100-70) 2
                                                               31.96
                din tuna
   hrow (,
                                \sqrt{(35-41)^2+(100-60)^2}
                                                              40.45
    perim
                target
 For k = 1,
                                      more (t, t2, k2) = y.
                target = N
     k = 2
                farget =
     k= ]
   For test data (X, 35, 100)
```

for the shoot & value? Demonstrate using accuracy not and error note.

for To determine best when g k, wheek according note

Out K value: 6

Righest according note 4/10 k = 1 to 20 has 96.67 1.

Lineart 1770 note: 3: 32/

Diaketes dataset

What is the purpose of feature realing?

o since it is distance based algorithm, if dataset contains features with different pealer, the model may be beared toward features with larger numerical value.

o Standard Realer () was appried moran = 0 S.D = 1

non (11, 12, 14) - X.