```
sTo Calculate the length of transition curve
   y= int(input("Enter the value of design speed:65 "))
 y* int(input( Enter the value of Radius of curvature: 220 "
   g= int(Input("Enter the value of slope:150 "))
n= int(Input("Enter the value of slope:150 "))
  n= int(input( Enter the value of width of road including extra
p= float(input( "'enter the value for plain terains out;
 w= float(input("'enter the value for plain terain:0.07""))
  ecal= (V*V/(225-R))
print("The value of Super elevation:",ecal) if ccalcemax else print(emax).
                                                                                  -KALLBAGESTCVA
      Enter the value of design speed:65 65
       Enter the value of Radius of curvature: 220 220
       Enter the value of slope:150 150
       Enter the value of width of road including extra widening:7.5 7.5 the value for plain terain:0.07'0.07
       0.07
       The length of transition curve: 39.37500000000000
R = int(input(" Constant R: "))
 C = int (input (" Constant C: "))
 import numby as geek
A = int(input ("Total Data Values for EWL Constant: "))
 B = int(input ("Total Data Values for AADT: "))
 Ext_Constant = []
AADT = []
 for i in range (1, A+1):-
  - print ("Enter EWL Constant:") # Indent this line |-
     A = float (input()) # Indent this line
    EWL_Constant. append(A) # Indent this line
 for j in range (1, B+1): # fix typo here: i -> 1-
  - print ("Enter -AADT: ") # Indent this line -
    8 = float (input ()) # Indent this line
    AADT. append (8) # Indent this line
 product - geek. dot (EM_Constant, AADT)
# print(" Dot Product # Remove or comment out this line
 Total_EWL = product # Fix variable name here: Total EWE -> Total_EWL
 print (" Total EWL :", iotal_EWL)
print ("EWL after 60 years :", Total_EWL*1.6)
 TI = 1.35*(((1.6* Total_EWL) + ((product) /2)) **8.11)
print ("Traffic Index : ", TI)
Output = 0.166*TI* (99-R)/(C**0.2) # Assign the result to a variable named Output
print ("Pavement Thickness: ", Output, "cm") # Print the calculated output
    Constant R: 48
      Constant C: 16
     Total Data Values for EWL Constant: 4
     Total Data Values for AADT: 4
     Enter EWL Constant:
     338
     Enter EWL Constant:
     1878
     Enter Ext Constant:
     2468
     Enter EWL Constant;
     Enter AADT:
     375a
     Enter AADI:
     478
    Enter AADT:
```

Enter AADT;

Total EWL: 3082000.0 UML after 60 years: 4931200.0 Traffic Index: 7.577910657490486 Pavement Thickness: 36.8471369333326986 cm 4.38

p = float(input(" toad in kg: ")) # Assign the input value to p
p = float(input (" Tyre pressure kg/cm^2: ")) # Assign the input value to p
int (input ("Total Number of layers in a given Pavement ! ")) p = floating ("Total Number of layers in a given pavement 1 ")) pi = 3.14159 CBR = [] | for i in range (1, M+1):-| print ("California Bearing Ratio of Material in %") CBR_value = float (input ()) T = ((1.75*P)/ (CBR_value) -(P/(p*pi))) **8.5 # Now P and p have valid float values | print ("Given that bitumen layer of 4 cm") El Load in kg: 4085 Tyre pressure kg/cm^2: 7 | Total Number of layers in a given Pavement : 3 California Bearing Ratio of Material in % Thickness Above this layer: 31.712799015896838 cm California Bearing Ratio of Material in % Thickness Above this layer: 20,247776538573337 cm | California Bearing Ratio of Material in %

Thickness Above this layer: 38,031276487723645 cm

Given that bitumen layer of 4 cm

ALTERACE TOWN