LAB EVALUATION 1

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students={

"Ram":{"name":"Ram","class":10,"height":171,"weight":60,"sport":"tennis","calorie-in":4000},

"Shyam":{"name":"Shyam","class":10,"height":175,"weight":75,"sport":"cricket","calorie-in":3500},"Radha":{"name":"Radha","class":11,"height":176,"weight":70,"sport":"basketball","calorie-in":2500},

"Ganesh":{"name":"Gnaesh","class":12,"height":176,"weight":100,"sport":"wrestling","calorie-in":5000}}

dietchart={}

n=len(students)

for i in students:

dietchart[i]=students[i]["weight"]/students[i]["height"]\*students[i]["calorie-in"]/1000

print(dietchart)

OUTPUT : {'Ram': 1.4035087719298245, 'Shyam': 1.5, 'Radha': 0.9943181818181818, 'Ganesh': 2.840909090909091}

feedback={}

for i in dietchart:

if dietchart[i]<1:

feedback[i]="Red"

elif 1<=dietchart[i]<1.5:

feedback[i]="Orange"

else:

feedback[i]="Green"

print(feedback)

OUTPUT: {'Ram': 'Orange', 'Shyam': 'Green', 'Radha': 'Red', 'Ganesh': 'Green'}

for i in students:

print("Details of ",i,students[i])

for i in dietchart:

print("Dietchart of ",i,dietchart[i])

for i in feedback:

print("Feedback of ",i,feedback[i])

OUTPUT: Details of Ram {'name': 'Ram', 'class': 10, 'height': 171, 'weight': 60, 'sport': 'tennis', 'calorie-in': 4000}

Details of Shyam {'name': 'Shyam', 'class': 10, 'height': 175, 'weight': 75, 'sport': 'cricket', 'calorie-in': 3500}

Details of Radha {'name': 'Radha', 'class': 11, 'height': 176, 'weight': 70, 'sport': 'basketball', 'calorie-in': 2500}

Details of Ganesh {'name': 'Gnaesh', 'class': 12, 'height': 176, 'weight': 100, 'sport': 'wrestling', 'calorie-in': 5000}

Details of Ramesh {'name': 'Ramesh', 'class': 10, 'height': 170, 'weight': 63, 'sport': 'football', 'calorie-in': 4500}

Dietchart of Ram 1.4035087719298245

Dietchart of Shyam 1.5

Dietchart of Radha 0.9943181818181818

Dietchart of Ganesh 2.840909090909091

Feedback of Ram Orange

Feedback of Shyam Green

Feedback of Radha Red

Feedback of Ganesh Green

def addstudent(n,c,h,w,s,ci):

students[n]={"name":n,"class":c,"height":h,"weight":w,"sport":s,"calorie-in":ci}

def dietstudent(n):

dietchart[n]=students[n]["weight"]/students[n]["height"]\*students[n]["calorie-in"]/1000

def addfeedbackstudent(i):

if dietchart[i]<1:

feedback[i]="Red"

elif 1<=dietchart[i]<1.5:

feedback[i]="Orange"

else:

feedback[i]="Green"

print(feedback[i])

def showdata():

for i in students:

print("Details of ",i,students[i])

for i in dietchart:

print("Dietchart of ",i,dietchart[i])

for i in feedback:

print("Feedback of ",i,feedback[i])

addstudent("Ramesh",10,170,63,"football",4500)