Week One Tost Preparation.

Grade Calculator 20.13

Write a program to calculate a Course grade for HW, quizzes, MT, and find exam. Grades are calculated orestly for intergral, grad student, and distance learners.

input ourie outpt

Input Data:

UG type of student (string)
UG/G/DL

185.0 120.0 300. D 600. D Final

MT Quiz points totals.

what are the maximum Question1: point totals for each

category!

Ans1: 800, 400, 150, 200

Quantion 2: What are the weights for each category?

Answer	2 : _ UG	G	DL
HW	20%	15°/s 5°/s 35°/s 45%.	5%
Q	20%		5%
MT	30%		40%
Find	30%		50%

(Aside: Why are these weights what they are?)

Variables/dota structures noulel:

LI. I ture > string

January - Jr -) list, float

-) met float tople Student-grades ug - weights -> 13+, float tople g - weights -> off out +sple dl-weights -> tople, float total - points # Get the student type from user. -> check for ever # Get 12e Stylet grades from vzer- > store in student-svales) ofine total_points, 5-weighte, # Define de-weights. # Colonte Percentages in each category. overell grade. # Calulote 5tep5: the letter grade. # Cal whate Stenb:

Step 7: # Create Output report.
See grade-colculation. Py for code!
22.13 Tax Calculation
Write a progreen to calculate U.S. morre tax owed, given:
in when tax owed) graded in terest variety on employment compensation of taxable in terest warpensation of the compensation o
Etaxes withheld. What else would we need to know?
A) Deduction Amount, based on Status.
0 - dependent -> 6000 1 - 8ingle -> 12000

Single / Depondet:

Married:

Step 1:

Get in put

500 1 400 23 20000 Ex. 1 1 1 interest unemp. Status tax wases income with hold Adjuted Gross Inc. Step 2: Ca Culote Uneuplyment interest + = wason + correparation income Calc-AGIL) Calculate Dedutson Step 3: -> based on status get - deduction () Colonte Taxable Income Stap4: → Set to \$ if nægative AGI - deduction ecle-taxable ()

Steps: Calculate the tax

Outre tox()

CUIC - '

Stap 6:

Calalde tox lue

-) tax owel - tax withhold

Calc-tax-due ()

Stap 7:

Output report

12345

12,345