	Trick 2
	Justin Chang Pg 1
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	Goal: Practice extracting data from files. Build a program
	that reads a bill of materials and generates an order
	MONTH NOON AT IN
	Part 1: Parse Bill of Materials (BOM)
· Problem:	Function: parse born (born file), reads a file and return a dict.
	In the dictionary:
	Keys: Part number (string)
	Values: Minimum number of units. (integers)
Test cases:	1 Sample Table: >>> parse_bom ("sample_table.csv")
	Blue 12 & "Blue": 12, "Red": 20, "Green": 33
	Red 16
	Circen 3
	Red stand tray house all to me apple 1 1 1 11 2 2 2 "
	Sample Table 2: >>> parse_born ("sample_table_2.csv")
	Dogs 3 & Dogs: 3, "Cats: 26, "Bears: 53
	Cats 6
	Bears 5
	Cats 20
Flow	Start open file to read open file, "r") Put rows into list  start open file to read  start open file to read  mat_reader= csv.reader(csvfile)
	(Put values from list) Create a dictionary into dictionary diet = 23
To To	eturn dicti - for row in mat reader:
	E vanifol in dict1:
	dict 1 [row[0]] += int(row[i])
	(end)
The same of	dict1[row[0]] = int(row[1])
	The same of the sa

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A GEST LINE	Part 2: Generate Order part-cost-silename) at cases
Problem	Exertion: generate orgen is setum dict of paracidant
11000	Bom: a dictionary
	parts - Strecest - Silename: a string trains the filename of a car file that contains the
	filename of a cost the part number
The American	pricing info for each part number
	Return:  1. a float containing total cost of order (2 decimal)  1. a float containing total cost of order (2 decimal)
	2. a dictionary containing order quantities for each
	d. a dictionary currently
-	Keys: Part numbers (strings)
-	Values: Quantity to order (integers)
	Method:
	Step 1: Find the row of the desired part number
	Lo can use a for loop
	Step 2: Find the closest price break equal to or less than
	the number of units we need.
7/19/9	Louise a for loop for the columns of that row
	Step 3: Determine the total cost at this price break
	(Z= to # units we need)
	Step 4: Check the post for the next price break
	Ly compare this cost to the previous cost
67	if cheaper, go with this price break
	Make cerce to takeen immorrance maked a Halamania
	Make cases Marche New 15 no 2001
R STATE OF THE	Make cases. Maybe Here is no price break for
	the next querkly. Must take that into account
	I Repeat this for every part, then Sind the total
	cost.

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Test cases.	Trait = 8"mat 1": 21, "mat 2": 300, "mat 3": 123
	pricing-file = "parts abl. esv"
	cost, order = generate_order (born, pricing_file)
	print (cost)
	print(order)
	Output: 153.08 (Float)
	= "ma+1": 25, "ma+3": 12, "ma+2": 3003
Flow:	Plan
FIOL	1 Theart CSV
	2 Copate variables: (Potential Variables)
	- part_cest (calculates cost of specific part)
	- dict? (But can probably just modity born on
	- desired-row, desired-col
	3. Make the table into a list using csv. reader (csufile)
	- Loop through BOM (Lean throw list)
	- Find the row of alwared part ( half the
	(1 1 00.15)
	- Find column of desired part (price preac)
	The state of the s
	- Calculate cost at this poice break (row, cel)
	Post lette cost at reco
	1 see.
	- Add to tolationery the quantity
	- Go to next item in BOM
La Company	- Go to next item in por