Enter them price: 25.50

10.00

50.45

Done

Total Bill Amand: 286.25

Highest Bried 9km: 250.95

Lowed Mud 9km: 210.00

Took 4: Use various data types, Mot, Tuples and dettorang to python programming 4-a) Shopping last Price Calculator (List) Arm: To calculate the total bell amount, Identify the litghest ported them, and find the lowestproceed item from a list of purchased them prices. Algorethm: o) Start the program. 2. Create a list to store elem frices. 3. Calmate sen sum of all prices in the list to get the total both amound 4. Ford the moximum value on the list to get the dotal bill amount 5. Stop the program. Program :-Enta them price (outer 'don' to ferresh)'. 15,50 20.00 5-25 done Total bill amough: 40 ts Highest Priced 9km : 20.00 2000 est priced 8km: 5.25

Program prices = [] while True! price - 9 report = 9 report ("Enter 8 tem price) of prices: to tal-bill = sum (prices) heyhist-price = man (pricis) louest-price = men (prices) pant (f" In Total Bill Amount: 2) print f ("In Highest Priced 96cm: 2) Print of (" Lowest Priced octem; 2) ("No prices enland;") else: prind

Olitput:

Anter name for student 5: Rahud

Enter marks for Rahud: 456

Conter name for shudent 2: Priya

When marks for priya: 383

Shedent with highest hearts: Amit (450 marks)

Students scorning above 400 marks:

- Rahud 456

46) Student Exam Rout (Tuple) AAm: To store student names and manes entry tuples then display the Shedent with the highest maches and all students scoring whom too mains. Algorithm: i) stad the pregram. 2) 9 terate Mrays the list of student Juples to find Also student with the highest mades. 3) Display the student with the lighest mails. 4) Display all student with storing above 400 mans. 5) and the pregram. Program: Students = [] for & In range (5): name - unput (j'enter hame for stident e 1+1 y: ") while The: try meules: " not (Import (" Conta meules for Chamy: ") Shillents, append (name, marks)) break coupt value emor: prent of ("Invalix Enpot. Plean enter a number for marks.") If not found - above . 400'.

print ("no students sword above 400 mailes !")

4.0) Country - capetal pende

Alm: To manage country - capital pairs using a bython dictionary, allowing addition of her pals, searching for captules, and displaying au pairs alphabetically.

Algoratum:

breg ram s. Start the program

2. Initealize a cle tionary with some fore-dyfined country -capital pairs.

3. Add new pair: Prompt su user for a new country and &B captal, then add It to the · towner: Lani dectionary.

4. lind the program.

program:

6

Country - Capitals = L" India": "pow Delhi"; "Franc"; "Pan's", " Japan": "Tologo" new. country = In put (Exter new country toades") new-captal = Enpet (Enter Cup tal for Onew. Country's:") Country - capitals there - country J= new - captal proof (" Added & Enew-tounty y - Enew- cup that 3") Scarel-country = Input ("Enter courty to fine aprilal:")

e greces: New Delle

anter new country to add: Gamany
have captal for yearnay: Buth

Added: Gamany - Redle

anter country to find its captale: Prance

The captal of France is Paris.

All country - captal Pales (Myhabelicus):

- Forance: Paris

- Gamany: Balin

Indea: New Delh

Japan: Totyo

if captlel - found:

print (f" The captlel of Escare - county 3 w

Captlel - faind 3.")

Captlel - f

else prints (" captlel for Escare - county 3 not faint")

print ("In the country - captle Pain")

for country, captlel in sorted (country - capitals

thens(1);

print (f" - leaving 5: Ecapthe 5")

EX NO.	1
PERFORMANCE (5)	7
RESULT AND ANALYSIS	(5)
VIVA VOCE (5)	
RECORD (5)	
TOTAL (20)	-

Result: Ole successfully created a fryder frogran for Shelent com prin collector, shelent com for Shelent comme country - aprile finder.