In your college cateleria, me sales (i'm units) of a new starck are recorded for Fdays, morder Aimi. To cese various data types, List, tuples and Dictionary in python programming.

Algorithm:

1. Start

2. for adding elements to a list first create a list with name list" and assign the values within

3. for 7 days, append in teger sales to list using U. Compute total = sum(sales) and avg = total /7

5. Find man-val = mane (sales), min-val = min (sales)

6. Find corresponding days with Index Cadday) to cover day to number).

7. count dans above target using count()

3 p Halos 2 specializations

g. Stop.

LIST Scenario

days-7
Sales=[]
target=500# target Sales for the day
far sin the range (8);

Sample - entries = i'm (input (ienter trusevendays ros sales append (sample-entries) # list append)

. total = Sum (sales)

avg = total days max-val = max (Sales) Sample input loutput!

enter sue seven days sales count 100 enter the seven days sales count 450 enter the seven days sales count 1250 enter the Seven day's sale count 580 enter sue seven days sale count 98 enter the Seven days sale count 384 enter the seven days sale count 900 enter the Seven days sale count 239

sales (mon--sun):. [100/450,1250 1589 98,348,900,239

total: 3974

Average: 567.71 Best day: 3 with 1250 worstday? 5 with 98. man-val = min (sales)

best-day = Sales Index (man-val)+1 # list Index

worst-day = sales index (min-val)+1

print ("sales (mon. sun):", sales)

print ("Total:", total)

print ("Average, round (Avg2),

print ("Best day:, best day, "with, max-val)

print ("worst day:, worst-day, with, min-val)

Result: Thus to use various data types, List ruples and Dictionary in python programming. Atm: to manage and overy an immutable clairly lab slot schedule resing a tuple idemonstrating membership Checks, Count() Index(), and Solving.

Algorithm:

1. start

2. Défine slots as fined typle of integers

3. Read Query hour

u check enistance with Query inslots.

5. use count(): if positive, use Index() to find the first position.

6. Slice into morning and afternoon.

7 print results

8. stop.

program:

TOPLE Scenario Slots = (9, 11/14, 16, 4) # immutable day Schedule.

Query = 14

existo = (Query inslots)

freg = Slott. Count (Query) # treple. count()

first-pos=Sloto. Index (Query)+1 if exist else NIA# tuple. index()

morning= Slote [: 2] afternoon = Slote [2:] Sample output!

All lab slots: (9,11,14,16,14)

1's 14:00 present: True.

14:00 values 2 time(s)

first occurrence position (1-based)=3

morning slots = (9,11)

After noon Slots = (14,16,14)

CHARLES STATE OF THE PARTY OF THE STATE OF T

print ("All the lab slots", slots)

print ("i" Is foury y: 00 present?" exists)

print (1." foury y: 00 occurs "treq;" times (s)")

print ("First accurrence position (1. based:", First fai)

print ("morning slots:", morning)

print ("Afternoon slots:", afternoon)

Result! thus, the python program's manage immetable daily that is executed successfully.

Aimit To manage a line price list and bill a customer using dictionary methods and views

Algorithm:

1. Start

a create and empty dictionary prices.

3. Repeat for each item.

u. Get the item name.

5. Cet the item price.

6. Add the item price to prices.

J. As K the USEY for a item to update

8. If the item exists prices, get the new Price

and update it.

q. Ask the user for an item by checking each item's price.

10. Ask the USEr for an item to remove.

11. It given, remove that item from prices.

12. Show all available items, their prices,

the costliest item and removed price.

13. Stop.

python program:
prices = 23

nd = int (input Enter number of items in price)

for - in range (n1); item = input ("Enter item name:"

price = float (input (1. "Enter price of { itemy:") prices litem] = price # aptional Price revision rev- item: Input Sher item to updde price (as press Enter to Skip): ") if revitem in prices: new-price = float "inputfenter new price forfrer_ prices. update (Ereve-item: new-prices 4) #dect. upddel # find costliest item costliest-item= Name max - price = 0 for item price in prices. items(): if price Iman-price: mans price = price costliest_item = item. # Remove out -of-Stock item remove-item = input Eoter an item to remove from p removed-price=wone of items - remove: removed-price=prices.pop(remove_item; None)# dict.pop() # Display results print (" In Available items" tist prices (ceys()) #did. print "pric: "list prices, valus (1) # dict. volues if castliest-item:

Sample output [Input!

Enter number of times in price list = 3 Enter item name: 602 Enter price of box:15 Enter Item of i name = pen Enter price of pen=10 Enter item name=pencil Enter price of pencil=5 Enter item update, price/or Press Enter to Skip)=602 Enter new price for box = 20 Enter an item for remove from price list (or press Enter of Skip) = Open Available items= ["box" pencil"] prices: [20,0,5:0] costlies item= box at 20.0 Removed 1 pen' price (if enisted):10.0 print f''pernoved remove-item y "price if existed); removed-price)

VELTECH	
EX No.	4
PERFORMAN	5
RESULT AND	5
VIVA VOCE (3)	5
RECORD (4)	
TOTAL (15)	
SIGN WITH DATE	15

Result! thus the python program is manage like price bill customer is executed successfully.