Manage (III)	Porthan histor, Seti, Taplan AND DICTIONARIES.
()	OBJECTIVES. Lahich of the following is an ordered Collection of elements where modifications are allowed.
2)	Which data utructures were City braces & } and Consists of Koy-ralue pairs.
3)	In Fython, which data virintable -
	6
P	Which data utructure is best suited for utoring unique elements.
(5)	talhigh data structure cares square brackets to store elements
	Englisc has a simple formular do your best and people may like it.

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6) Describe a real world scorano where you would prefer using a tuple over other data structures. They are wed to locating Goodinates on a map. imagine gair are miking looking for the location of a bound trevure on a map. for would likely to use a tuple to stue the X and I Gooding tey Fg (5,3). These Values don't nood to be changed DExplain the difference between a thirt set and a dictionary in other and provide an example where would be each be most appropriate to are Solu · Unordaced Cellection et anque elements. . Each thement must be imque. . Duplicates are not allowert. · Uses Carer · chocking membership (if an elemen exists in the set). Finding the difference was a intersection between storing unique demants like Colors. fuits = 2 apple | banana | crange | apple } print (fruits) Houtput: 2 apple barana torange } (PICTARE) You may dalay, but time will not.

Dictionarios. · Collection of Key-value payrs. · Kay must be lunique and immutable (like strings a cente Valuer Can be of any data type. User Caras. Looking up intormation bayed on a Key (like Finduce act of shore number by name Associating data with labor (like storing student names and their grade) Hadon Grades. grades= & Hice: 90, Bob: 80, Charlie: 98 & print (grader ["Allice"]]) # Ordquet: 90 The dictionary allows you to efficiently accord steplents grade using that rame (Kay). This wouldn't be perible with a cet as vet don't associate values with elemon for Set Feature Dictionary Unordared Up or dor of Order Not allowed For Kay. Not allowed Duplicat es Mugble Mutable Autability Kiny otaly Mut be unique and Xlone (Any harable Jype. immutable (cd . data typie Getnings Valu O data type formular do your liest, and people may like it.

8) Discuss the advantages, and disadvantages, of with large data set. LIUTS. Adventages. Ordered State -> Listis maintain the order in which element are added. This can be crucial if you need to procons the data in a operatio Vequance. . Flexibility a livtu can hold elements of any data type induding duplicater. This provider greater flexibility and hardling of data vets. · familiar syntax. Lists we familiar square bracket notation [] for agation and access, which is earlier to understand for begginas. Nivad Vartagies · Courch partormance, searching for upecific element withing large list can be Irlow, especially as the list grow. This is because linear such abganth are topically wed which require each element in · Morrory usage : lists ban consume more memory Compared to veto, especially if they contain duplicate. or a mix of data typia You may delay, but time will not. (PICFARE)

Modification eparations: Invorting or date ting almost in a large lut can be expandive as domet might need to be whifted to accommodate a change Advantages? · Fast rearch? crearching For upea Fiz clomants outhin a large vet is vay efficient. Sets while the hack tables for element I look up which offer a constant average flexility Monory Efficiency's Gets generally use as memory than livity aspecially when Glealing with large data sets Containing unique elements. Unique floments (lets inherently ornare that each element is anique, which can be beneficial if you need to avoid diplicates in your dorfo. (Divockortagor. · Unordered data: Sets glo not main thin the order in which elements are added. houdle data types like strings number or typically elements. This can ration of their use when dealing rothmore Complex data whoder a. Success has a simple formular do your harrangent of the may like it.

law Intuitive dyntax & Klorking with vety might require undoutanding Functions like add somove and he estand for element manipulation which might be lew familiar with indfring Summary · Choose lists. If you real to maintain order, handle divouse data taper of prince data care of one live might be a beller chare and for large datoralis. However, be as a of potential implication for societing and indifficition operations. and enving, imagine, winty, els incluster better choice Ter large in its fearing Keep in mind very donet proside creation and trive institution on data types

The may o'day, but time will not