```
An unondered collection of key-value Pair 24
Occionary! will some
   - allows fact lookups, unsertions, deletions
because it is implemented using hach tablets.
    - mutable. - can impaate, add leenoue
   elements dynamically.
         my-dict = 2" nome " just Alice", age :: 05,
   Syntan:
                        " city": "Newyork" 23
1. Accessing distinary items:
     - we can access values using keys.
         wing banane brackets 1 ([]) que:
     Student: ["name: "John", age"svido 3
       print (Student ["name"])
         outpur in it John.
   ing tey does not enist,
                 they yendent
                                più deol -1
     using get () method:
          pourit (Student, get ("age"))
          primit (Student. get ("grade, po!" Not available"))
            output: Not available. trans
       is the by does not emot, get () well was word
                                        défault value.
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2. Adding and applating! pey-value Paix	[F8]
2. Adding and applating! pey-value Paix, we can add new using acionnay	
update enisting values using action many Co	) 2. lopnig
miog. update	3. looping
3. Removing Didionary items:	For key
delete using del, 1892), popit omo	tein
uring del:	oupur
der Esmacut Cage J	
ueing pop ()!	Newed Dictionary
Removesin & seturns the town Value.	_ a d
com from it emal)	Stadents:=
Re mones lait muritia work	" &
neins dear!  Remones au items? anabred	Print ( Student
4. Iterating through a dictionary:	# Output : Alia
	Adding a 1
1- looping through keys:	Students C
Student = 2" name": "John", "age": 20,	puint Cstude
for key win . Mudent :	frought: I grudent
	-tistuden
Print (key) #	"Staden
John crame	For stand

```
3. Looping through lay of values (.items())
        for key, value in student. items ():
           paint Cs' (key 3: {value 3')
          output: name: Folisis
                     ege: 20
                      Cours : es.
 Nested Dictionaries:
       - a dictionary inside another dictionary.
               "Student 1": ["norme": "Ahice", "age": 223
      Stadents: = &
               "Stadent 2": E" name": Bob ", "age": 2013,
                 3
     Print ( Students [ "Student 1"] ["name"]
  # output: Atice.
  Adding a New entry:
        students C'istudents 3" ] = [" name" : "charlie",
                                  " age": 23, 3
      print (Students)
           L'grudent 1": " name": "Alice", "age": 229,
            -tistudent 2". ["name": "Bob", "age": 213,
frought:
            "Stadeut 3": g"name". charlie", 'âge": 23 37.
          for student, details in students, it ans():
             Prim (f" (student 3:") for key,
           Value vin détails. Henris (): (8 They 3: {value 9")
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TH Student 1: autent: name: Alia + to ofe i dis. Il Student 2' Bob age 1 dlas Al Student B! charlie oge: 23 1.04.0 Barrier Heire Alle de la company de la compa Lancary 1 1 months of Gustadi 3 will Caraline & tende 1 has one