Day - 11 Dictionary It is used to store data in keys. It is a ordered , changeable and allow duplicate value in values only # Example this dict = of brand': 'Ford' , 'model' : mustary', year' : 1964 Print (this dict) -> of brand: 'Ford's mustary', 1 year ; 1964 y # GROT VALLE ACCESS HEM · Print C this dict ['brand']) 1> mustang this dict = q' 1 brand': 'Ford', model! : mustag;

# Duplicate value year': 1942 year': 2020 . 7

Print (thisolict), I f brand ': Ford's mode ! " mustage, year ': 20 20 } this will be print last value only

print (len colict)) = 3 Ly duplicate value Could not take a count.

```
x = this dict . get ('model')
     print (x).
         Ly mustang
# get keys in should be mention keys!
       X = this dict. get ( key Keys
        1) Print (x).
        (['brand', 'model', 'year'])
# add now item
      Car = { 1 brand': 1 tord',
           ' model " . ! mustarg",
          'year'; 2020 y
      Can ['colov'] = 'red'
    Print (car) -> & brand 's Ford', mode i': mustang',
                         'y 0003' : 2020 ; (oloy': ' red' }
 # Get Voluer
      > x = this dict . Values ()
         (['Ford, mustang', 2020])
```

# Get value.

# Get items this key will be used to change like a Otuple in a list This did = & 'brand': ford' 'model': moutary! 1 year : 19903 Z = thindict. Items () Print(Z)-L' ([Cbrand', 'ford'), (model', mustang'), ( Year 1, 1990)] # if key if 'model' in this dict: print (yas; 'model' & one of the dictionary). # two methods of update value. this dict [' year' ]=2022 Print Cthisyears 1) of brand 10 ford. 'model' : 'mustang' (year) : 2022 } Ly texe updated the value. thirdist : update (l'year': 2000"3) Print lethidect) Lif'brand': 'ford', 'model'" mulia, Year's 2000 }

```
# Remove Items
    thisdict . pop ('model')
     Printoles this diet).
       Ly f' brand': 'ford', 'ye'ar': 2022 3.
 # Popitem()
      Is method removes the last Enserted item
     this dict = f' brand " fora's
                'modul': 'mustag'
                'year': 2021
                Colour': 'White' 3
    this dict. Pop (tom ()
       4 print (this dist)
               Lo f'brand': ford', 'medal': 'mustang', 'year': 2021 }
   : here last item will removed automatically.
# del mottro d.
     del frisclict ['model']
        print (dithisdict)
           4 & brand 's ford', year'; 2021 }.
# clear
      this alict. Clear ()
        Print (athle clict)
           4 6 3.
# Loop through Dictionary.
 4 for method.
```

Print all keys in one by one

thisolict = f'Brand': 'ford'	
(102)	
bolour': White y.	
for X In this diet:	
print (x).	
+ Brand	
year	
Colouv	
-r Amatigot a	
# Print all values in dictionary	
A +1.131 2 to -1.14	
for x in thisdict:	
Print (this duct Exj)	
L, ford	
2021	
White.	
: here got all values in dictinary.	
the state of the s	
great method to get values.	
# for X in this dict : values ():	
Print Cx2	
L) ford	
202)	
white.	
# to get the key values	
for 1 9n third(t, keys ()	
15 print (x).	
Byand - All - All -	
year	
Colow.	
# get both keys and valus.	
for x, y in the dict of teme ()	
Print (nry)	
Ly brand ford	,
Year 2021	
Colour White.	



