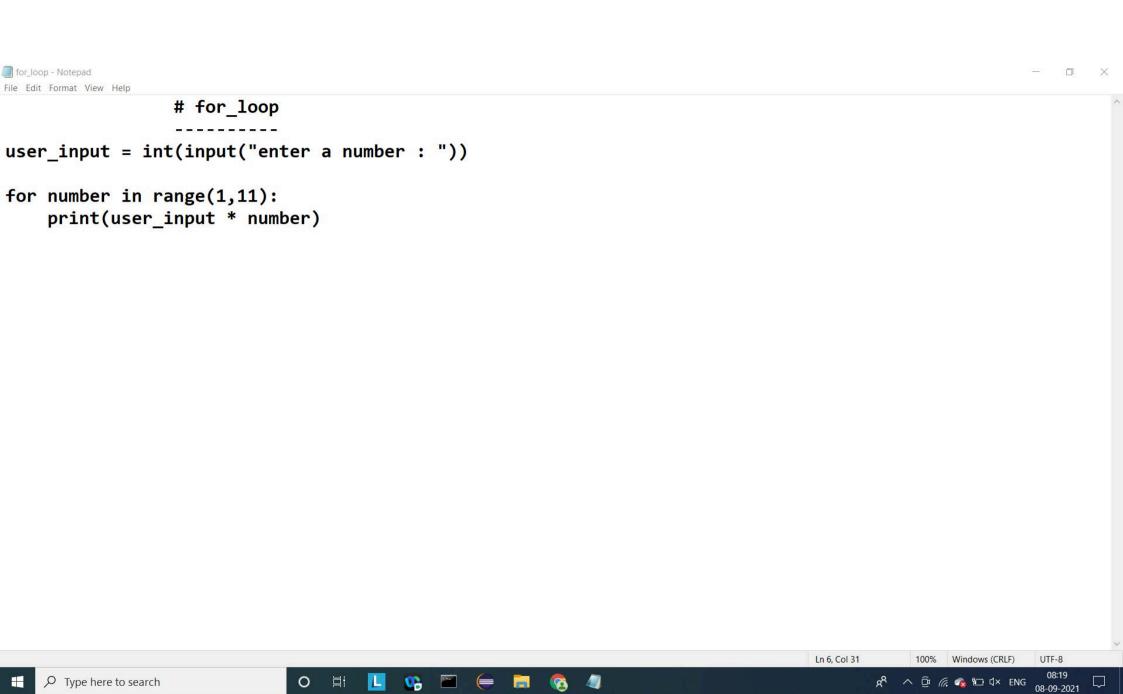
```
*dictionary test - Notepad
                                                                                                               File Edit Format View Help
                  # dictionary test #
# # empty dict
\# var = \{\}
# var2 = dict()
# dict with some values
var = {"username" : "Ankit", "password" : "Ankit123", "age": 20, "username": "ankush"}
# access dictionary
# print(type(var))
# print(var['age'])
# print(var.get('password'))
# temp = var.get('password', 'Not Available')
# print(temp)
# to remove key -value
# print(var.pop('age'))
# to remove all data
# var.clear()
# print(var)
                                                                                                 100% Windows (CRLF)
                                                                                      Ln 23, Col 14
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```

```
*dictionary test - Notepad
                                                                                                                 File Edit Format View Help
# to get all keys
# print(var.keys())
# # to get all values
# print(var.values())
# to get both keys and values
# print(var.items())
# loop in dictionary
# for key, values in var.items():
      print(key, values, sep=" - ")
# adding/updating data in dict
var = {"username" : "Ankit", "password" : "Ankit123"}
var['age'] = 20
var['password'] = "12345"
print(var)
                                                                                      Ln 23, Col 14
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```



```
functions - Notepad
                                                                                                                 File Edit Format View Help
                  # functions #
# # here print and len is in-built function
# print("this is a print function ")
# print(len("something"))
# a,b --> add, mul, div, sub
# # syntax to define function
# def function_name(parmeter1, parametern):
       "body"
       "body"
       "body"
       return value
\# a = 8
\# b = 4
def calulator(a,b):
                                                                                       Ln 2, Col 16
                                                                                                     Windows (CRLF)
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```

```
functions - Notepad
                                                                                                              File Edit Format View Help
def calulator(a,b):
    print("addition : ",a+b)
    print("substraction : ", a-b)
    print("multiplication", a*b)
    print("div : ",a/b)
# calulator(8,4)
# calulator(10,20)
# calulator(30,40)
# calulator(2,8)
# positional argument
# def greet(firstname, lastname):
      print("good evening", firstname, lastname)
                                                                                     Ln 2, Col 16
                                                                                                  Windows (CRLF)
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```

```
functions - Notepad
                                                                                                                File Edit Format View Help
# greet( "kumar", "Ankit")
# # keyword arguments
# def greet(firstname, lastname):
      print("good evening", firstname, lastname)
# greet(lastname="Ankit", "kumar")
# # default arguments
def greet(firstname="guest"):
    print("good evening", firstname)
# greet("Ankush")
# variable length arguments
# def test(*args):
                                                                                      Ln 2, Col 16
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```

```
# variable length arguments
# def test(*args):
      print(args)
     print(len(args))
      print(type(args))
# test("India", "Sri Lanka", "America")
# def test(**kwargs):
      print(kwargs)
      print(len(kwargs))
      print(type(kwargs))
#
# test(country="India", firstname='rohit')
```

Ln 2, Col 16

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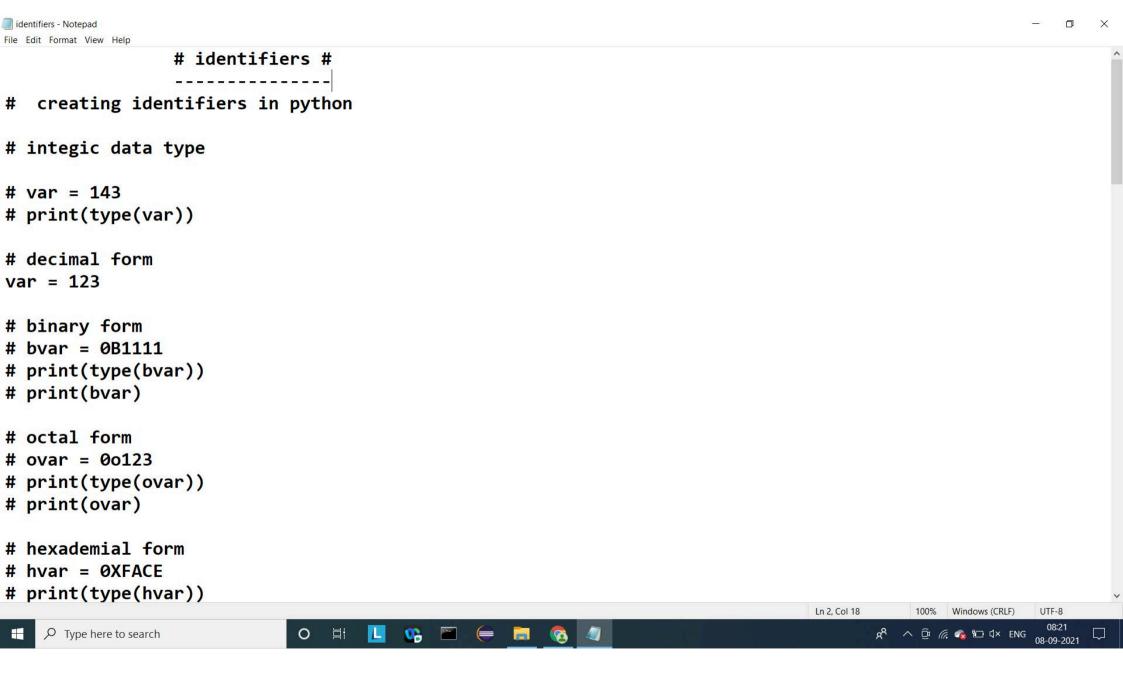












```
identifiers - Notepad
                                                                                                                         File Edit Format View Help
# hexademial form
# hvar = 0XFACE
# print(type(hvar))
# print(hvar)
# print(oct(20))
# floating data type
# fvar = 3.14
# print(type(fvar))
# fvar=1.10e20
# print(type(fvar))
# print(fvar)
# cvar = 0b1111 + 32j
# print(cvar.imag)
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```

```
identifiers - Notepad
                                                                                                            File Edit Format View Help
# boolean data types
# bvar = True
# print(type(bvar))
# String data types
# svar = 'he said, "i am doing great"'
# channel name = "Learn Coding"
# message = f"Subscribe to our channel : {channel name}"
# svar = "Learn Coding is our channel name, all subscriber are gems!!, i need your support, like the
video"
# list of string = svar.split(' ')
# print(type(list of string))
# data = ["hello world", "welcome to our channel", "please do subscribe"]
# print('-'.join(data))
# info = "a quick brown fox jumps over the lazy dog"
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```

```
identifiers - Notepad
                                                                                                              File Edit Format View Help
# data = ["hello world", "welcome to our channel", "please do subscribe"]
# print('-'.join(data))
# info = "a quick brown fox jumps over the lazy dog"
# print(info.find('0'))
# info = "
# print(info.isspace())
# rvar = range(10,20,3)
# print(type(rvar))
# for data in rvar:
      print(data)
```

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Ln 2, Col 18

Windows (CRLF)

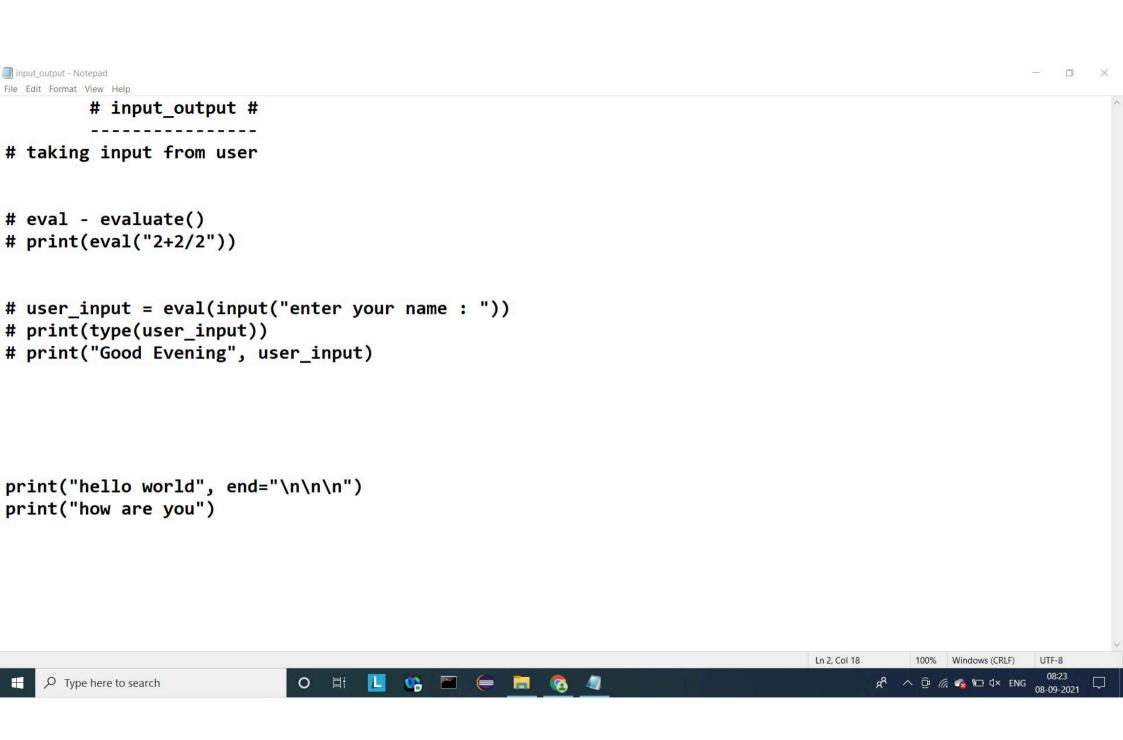
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```
*if_else - Notepad
                                                                                                                    File Edit Format View Help
         # if_else #
age = int(input("enter your age : "))
if age < 18:
    print('you are too young to marry')
elif age>60:
    print('you are too old for marry')
else:
    print("we will find a perfect match for you")
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```

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```
Iist test - Notepad
                                                                                                                 File Edit Format View Help
                  # list test #
# creation of list
# empty list
empty list = []
# with some values
# list2 = ["altaf", "kundan", 1234, True, 12.34, "kundan"]
# # with list()
# list3 = list()
# # print(type(empty list))
# print(list2[1:4])
# methods of list
# list2 = [12, 1, 800, 45]
# list2.reverse()
# print(list2)
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```
*list_test - Notepad
                                                                                                              File Edit Format View Help
# list2.reverse()
# print(list2)
list3 = ["altaf", "aman"]
name1, name2 = list3
print(name1)
print(name2)
# list unpacking
# count()
# print(list2.count("dfjaksljfhjksa"))
# index()
# if True in list2:
      print(list2.index(True))
# else:
      print("not found")
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```

from functions import greet as greet_of_functions from test import greet as greet_of_test

greet_of_test()













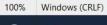






Ln 2, Col 13







```
*operatos - Notepad
                                                                                                            File Edit Format View Help
        # operators in python #
a = 20
b = 10
# print("addition : ", a+b)
# print("substraction : ", a-b)
# print("multiplication : ", a*b)
# print("division : ", a/b) # floating point
# print("floor division : ", a//b) #integic value
# print("modulous division : ", a%b) # reminder
# print("power opertor : ", 5**3)
# comparison
# print(10 != 23)
# logical operation
# and
# print(0 and 10)
# or
# print(True or False)
                                                                                   Ln 2, Col 25
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```

```
math *operatos - Notepad
                                                                                                                         File Edit Format View Help
# print(0 and 10)
# or
# print(True or False)
# not
# print(not False)
# a=5
# b=6
# print("id of a : ", id(a))
# print("id of b : ", id(b))
# print(a is not b)
var = "India is great"
print("hello" not in var)
                                                                                            Ln 2, Col 25
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```



program to list all the keywords of python

import keyword print(keyword.kwlist)













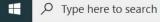






UTF-8



















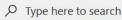


Ln 2, Col 48





```
set example - Notepad
                                                                                                                File Edit Format View Help
         # set example #
# empty set
# # svar = set()
# set with some data
svar = {"ankit", "python", 1234, True, "ankit"}
# to add a single data
# svar.add("Learn Coding")
# # to add multiple data
# svar.update("India")
# # to remove data
# print(svar.pop())
# print(svar.pop())
# svar.remove("ankit")
# svar.clear()
# print(svar)
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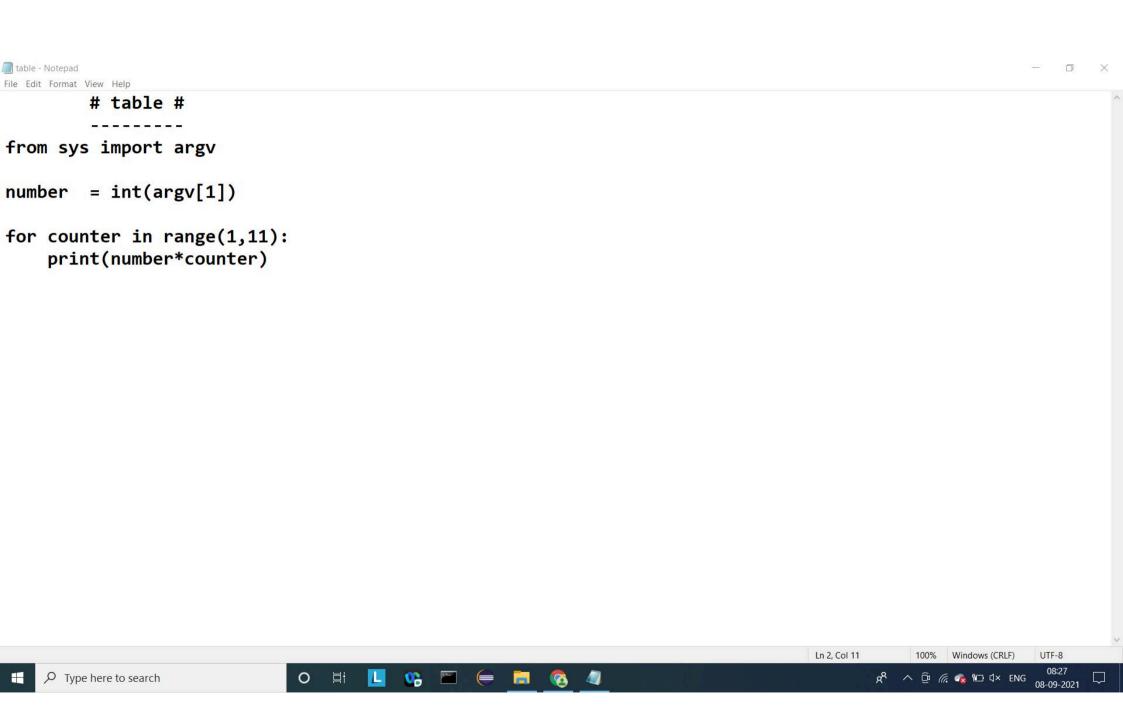
Ln 2, Col 17

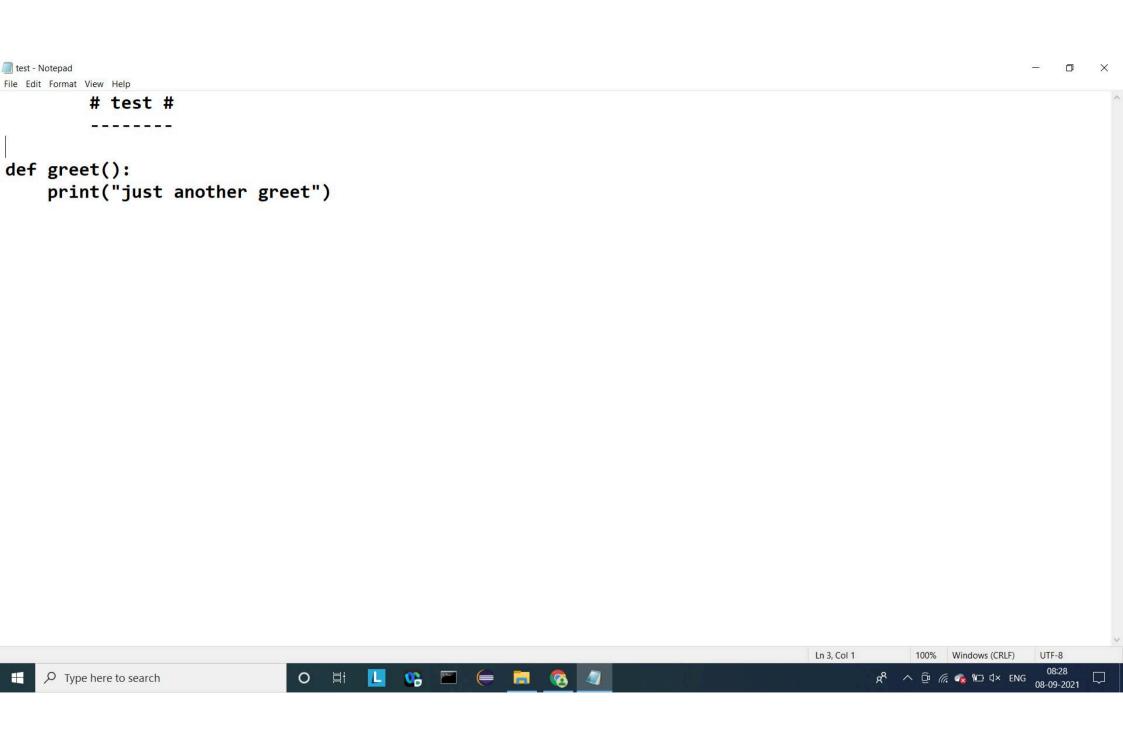




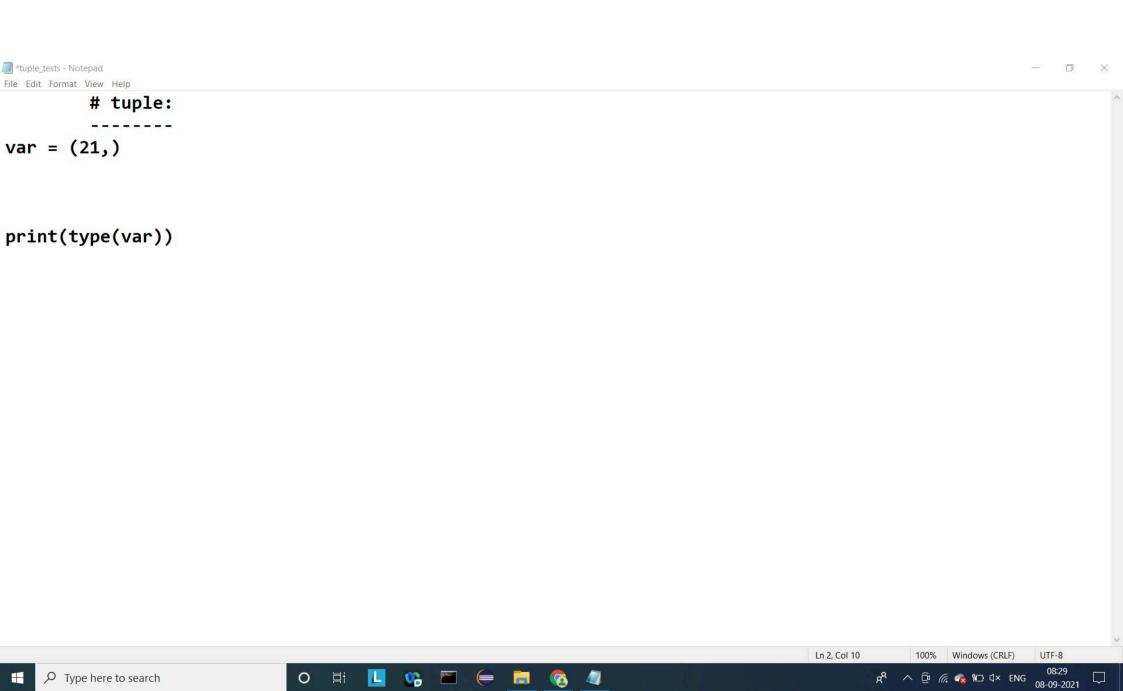








```
*trasfer - Notepad
                                                                                                                      - 🗇 X
File Edit Format View Help
          # transfer #
# if "a" in "learn coding":
       pass
# for num in range(1,11):
       if num % 2 == 0:
            break
       else:
            print(num)
\# var = 10
# print(var)
# del(var)
# print(var)
# var = "India"
# print(len(var))
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```























Ln 2, Col 30

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```
*while_loop - Notepad
                                                                                                           File Edit Format View Help
        # while_loop #
password = "learn coding"
input_password = input("enter password : ")
while password != input_password:
    input password = input("enter password : ")
else:
    print("unlocked !!")
                                                                                   Ln 3, Col 1
                                                                                             100% Windows (CRLF)
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```