

day2 > string.py



string



variable.py × num datatype.py × dictionary.py × tuple.py × list.py × string.py ×

```
1  #string datatype
2
3  name="kevin narigara"
4  print(name)
5  print(name[4])
6  print(name[4:8])
7  print("my name is ",name[:5])
8  print("my surname is ",name[6:])
9  print("my full name is "+name)
10 print(name*3)
11
```

4 1

Run: string ×



```
C:\Users\AI\PycharmProjects\day2\venv\Scripts\python.exe C:/Users/AI/PycharmProjects/day2/string.py
kevin narigara
n
n na
my name is  kevin
my surname is  narigara
my full name is kevin narigara
kevin narigarakevin narigarakevin narigara

Process finished with exit code 0
```

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5:15 CRLF UTF-8 4 spaces Python 3.9 (day2)

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2

day2 > variable.py



variable (1)



variable.py x num datatype.py x dictionary.py x tuple.py x list.py x string.py x

```
1 a=14
2 b=23.5
3 name="kevin narigara"
4
5 print(a)
6 print("value of b is",b)
7 print("my name is",name)
8
9
10 #now change value of variable "a"
11 a=30
```

28 3 ^

Run: variable (1) x



```
C:\Users\AI\PycharmProjects\day2\venv\Scripts\python.exe C:/Users/AI/PycharmProjects/day2/variable.py
14
value of b is 23.5
my name is kevin narigara
30
my nickname is parth
25.52 gec modasa 46
my collage name is gec modasa
my roll number is 46
value of s 108
value of q 108
value of l 108
```

Process finished with exit code 0

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15:1 CRLF UTF-8 4 spaces Python 3.9 (day2)



day2 > num datatype.py



num datatype (1)



variable.py ×

num datatype.py ×

dictionary.py ×

tuple.py ×

list.py ×

string.py ×

```
1  #number datatype
2
3  a,b,c=45,6j+5,23.26
4
5  print(a,'is type of',type(a))
6  print(b,'is type of',type(b))
7  print(c,'is type of',type(c))
8
9  print(a,'is float number?', isinstance(a, float))
10 print(c,'is float number?', isinstance(c, float), "yes it is ", type(c),)
11
```

29 ^

Run: num datatype (1) ×



```
▶ C:\Users\AI\PycharmProjects\day2\venv\Scripts\python.exe "C:/Users/AI/PycharmProjects/day2/num datatype.py"
45 is type of <class 'int'>
(5+6j) is type of <class 'complex'>
23.26 is type of <class 'float'>
45 is float number? False
23.26 is float number? True yes it is <class 'float'>
45 is int number? True
(5+6j) is type of <class 'complex'>
(5+6j) is complex number? True

Process finished with exit code 0
```

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day2 > dictionary.py



dictionary ▾



variable.py × num datatype.py × dictionary.py × tuple.py × list.py × string.py ×

```
1  #dictionary
2
3  d = {'1':'kevin', 2:'kevin', 'key':10}
4  print(type(d))
5  print("d[1]= ", d[1])
6  print("d[2]= ", d[2])
7  print("d['key']= ", d['key'])
8
9
10
```

10 ^

Run: dictionary ×



```
> C:\Users\AI\PycharmProjects\day2\venv\Scripts\python.exe C:/Users/AI/PycharmProjects/day2/dictionary.py
<class 'dict'>
d[1]= kevin
d[2]= kevin
d['key']= 10
Process finished with exit code 0
```

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day2 > tuple.py



tuple ▾



variable.py × num datatype.py × dictionary.py × tuple.py × list.py × string.py ×

```
1  #tuple
2
3  tuple = (10, 20, 30, 40, "kevin")
4  print(tuple)
5  print("tuple[2]=" tuple[2])
6  print("tuple[0:3]=" tuple[0:3])
7  print("tuple[2:]=" tuple[2:])
8  print("tuple[:3]=" tuple[:3])
9
10 # no change in tuple error
11 tuple [1] = 1
12
```

⚠ 2 ⚠ 11 ^

Run: tuple ×



```
▶ ↑ C:\Users\AI\PycharmProjects\day2\venv\Scripts\python.exe C:/Users/AI/PycharmProjects/day2/tuple.py
↓ (10, 20, 30, 40, 'kevin')
tuple[2]= 30
tuple[0:3]= (10, 20, 30)
tuple[2:]= (30, 40, 'kevin')
tuple[:3]= (10, 20, 30)
Traceback (most recent call last):
  File "C:\Users\AI\PycharmProjects\day2\tuple.py", line 11, in <module>
    tuple [1] = 1
TypeError: 'tuple' object does not support item assignment

Process finished with exit code 1
```

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6:32 Python 3.9 (day2)



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day2 > list.py



list



variable.py × num datatype.py × dictionary.py × tuple.py × list.py × string.py ×

```
1  #list
2
3  list = [10, 20, 30, 40, "kevin"]
4  print(list)
5  print("list[2]=" + list[2])
6  print("list[0:3]=" + list[0:3])
7  print("list[5:]=" + list[5:])
8  |
```

9 ^

Run: list ×



```
▶ ↑ C:\Users\AI\PycharmProjects\day2\venv\Scripts\python.exe C:/Users/AI/PycharmProjects/day2/list.py
  ↓ [10, 20, 30, 40, 'kevin']
  ⌵ list[2]= 30
  ⌵ list[0:3]= [10, 20, 30]
  ⌵ list[5:]= []
  ⌵
  ⌵ Process finished with exit code 0
```

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