

In [19]:

```
1 t = "Python Data Structures"
2 print(t)
3 print(len(t))
4 print(t[-22])
5 for j in range(len(t)):
6     print(t[j],end=" ")
```

Python Data Structures

22

P

P y t h o n D a t a S t r u c t u r e s

In [7]:

```
1 for p in t:
2     print(type(p),end="\n")
3     print(p,end=" ")
```

<class 'str'>

P <class 'str'>

y <class 'str'>

t <class 'str'>

h <class 'str'>

o <class 'str'>

n <class 'str'>

<class 'str'>

D <class 'str'>

a <class 'str'>

t <class 'str'>

a <class 'str'>

<class 'str'>

S <class 'str'>

t <class 'str'>

r <class 'str'>

u <class 'str'>

c <class 'str'>

t <class 'str'>

u <class 'str'>

r <class 'str'>

e <class 'str'>

s

In [56]:

```
1 t = "Python Data Structure"
2 print(t[0])
3 print(t[5])
4 print(t[4])
5 print(t[-2])
6 print(t[-21])
7 print(t[9:6])
8 print(t[1:9])
9 print(t[4:-3])
10 print(t[-12:-3])
11 print(t[-6:1])
12 print(t[2:20:3])
13 print(t[4:-5:2])
14 print(t[-4:2:-3])
15 print(t[-4:-12:-2])
16 print(t[:])
17 print(t[3:])
18 print(t[:5])
19 print(t[-4:])
20 print(t[:-6])
21 print(t[5:3])
22 print(t[4::-2])
23 print(t[:12:3])
24 print(t[-5::1])
25 print(t[-9::-2])
26 print(t[:14:-5])
27 print(t[::4])
28 print(t[:::-6])
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In [59]:

```
1 m = input()
2 print(m[::-1])
```

```
1293612978036827346879263489236546739182631912387561924351624987238465523109
238123871264815283912735681253612935186257215761254862536457234324
4234327546352684521675127526815392163521865372193825184621783218329013255648
327894261534291657832191362819376456329843629786437286308792163921
```

In []:

```
1
```