

```
pythonProject1 - 23_9_23.py
main.py x vkc_practice.py x 23_9_23.py x
mProjects\pytl 1 # examples of string data type
2 #implicit
3
4 name = 'rajeev'
5 print(name)
6 print(type(name))
7
8 branch = "b.tech"
9 print(branch)
10 print(type(branch))
11
12 #explicit
13
14 institute = str("vkc")
15 print(institute)
16 print(type(institute))
17
18 trainee = str('sir')
19 print(trainee)
20 print(type(trainee))
21
22 # data type/variable annatation
23
24 starting_: str = 'ten'
25 print(starting_)
26 print(type(starting_))
27
28 ending_: str = 'six'
29 print(ending_)
30 print(type(ending_))
31
32 # representation of string

Run: 23_9_23 x
rajeev
<class 'str'>
b.tech
<class 'str'>
vkc
<class 'str'>
sir
<class 'str'>
ten
<class 'str'>
six
<class 'str'>
six
three
tcs
nine
one
seven
two
three
eight
ten
three
two
zero
49
3
6
1010
<class 'str'>
10
<class 'str'>
```

```
31
32 # representation of string
33 #1st one
34
35 time = "six"
36 print(time)
37
38 #2nd one
39 hour = 'three'
40 print(hour)
41
42 '''representation of string data
43 single line'''
44
45 naveen = "tcs"
46 print(naveen)
47
48 #multiline
49 phone = """nine
50 one
51 seven
52 two
53 three
54 eight
55 ten
56 three
57 two
58 zero"""
59 print(phone)
60
61 print(len(phone))
```

```
rajeev
<class 'str'>
b.tech
<class 'str'>
vkc
<class 'str'>
sir
<class 'str'>
ten
<class 'str'>
six
<class 'str'>
six
three
tcs
nine
one
seven
two
three
eight
ten
three
two
zero
49
3
6
1010
<class 'str'>
10
<class 'str'>
```



```
pythonProject1 - 23_9_23.py
main.py x vkc_pratice.py x 23_9_23.py x
nProjects\pytl 64
65 print(len("naveen"))
66
67 #string conversions
68 a = str("1010")
69 print(a)
70 print(type(a))
71
72 b = str(0b1010)
73 print(b)
74 print(type(b))
75
76 d = str(0xfada)
77 print(d)
78 print(type(d))
79
80 c_ = int = "1010"
81 print(c)
82 print(type(c))
83
84 e = int("32265")
85 print(e)
86 print(type(e))
87
88 f = str(0xabaa)
89 print(f)
90 print(type(f))
91

Run: 23_9_23 x
<class 'str'>
six
three
tcs
nine
one
seven
two
three
eight
ten
three
two
zero
49
3
6
1010
<class 'str'>
10
<class 'str'>
64218
<class 'str'>
1010
<class 'str'>
32265
<class 'int'>
43946
<class 'str'>

Process finished with exit code 0
```