

```
#!/usr/bin/python3
```

### # Creation method 1

```
times=67
print("-" * times)
print("[1]:Demo of singly quoted string")
s1 = 'Hello'
s2 = 'That is "so called" stuff'
print(s1)
print(s2)
print("-" * times)
```

### # Creation method 2

```
print("[2]:Demo of doubly quoted string")
s1 = "Hello"
s2 = "There's a general perception ... "
print(s1)
print(s2)
print("-" * times)
print("Demo of escape sequences in quoted strings")
print("Demo of newline\nescape sequence")
print('Demo of tab\tescape sequence')
print("-" * times)
```

### # Creation method 3

```
print("[3]:Demo of triply quoted string")
s1 = """This is a
triple quoted string"""
print(s1)
print("-" * times);
```

### # Creation method 4

```
print("[4]:Demo of raw string")
s1 = r"This is a raw string. Escape sequences like \n have no effect"
print(s1)
print("-" * times)
```

### # String manipulations via operators

```
print("[5]:Concatenation demo")
s1 = "Hello"
s2 = "World"
print("s1=" + s1);
print("s2=" + s2);
print("s1+s2=" + s1+s2)
print("s1+', '+s2+'!'" + s1 + "," + s2 + "!")
print("-" * times)
```

### # Printing length of a string

```
print("[6]:Demo of length of a string")
s1 = "This is an arbitrary string"
print("len(s1)=" + str(len(s1)))
```

---

```
print ("- " * times)
```

### # Testing a character for membership

```
print ("[7]:Demo of testing membership of a character in a string")
s1 = "Hello"
ans= 'H' in s1
print ("Output of 'H' in s1 = " + str (ans))
ans = 'z' in s1
print ("Output of 'z' in s1 = " + str (ans))
print ("- " * times)
```

### # Indexing of a string

```
print ("[8]:Demo of indexing of a string")
print ("Printing first two characters")
s1 = "Hello,World!"
print ("s1[0]\t:\t" + s1[0] + "\ns1[1]\t:\t" + s1[1])
print ("Printing whole string character by character")
for i in range (len(s1)):
    print ("s[" + str (i) + "]\t:\t" + s1[i])
print ("Negative indexing:Printing last two characters")
print ("s1[-1]\t:\t" + s1[-1] + "\ns1[-2]\t:\t" + s1[-2])
print ("- " * times)
```

### # Slicing a string

```
print ("[9]:Demo of slicing a string")
s1 = "Hello,slicing string"
print ("s1[0:len(s1)]\t\t\t\t " + s1[0:len(s1)])
print ("s1[0:5]\t\t\t\t\t " + s1[0:5])
print ("s1[:5]\t\t\t\t\t " + s1[:5])
print ("s1[14:len(s1)]\t\t\t\t " + s1[14:len(s1)])
print ("s1[14:]\t\t\t\t\t " + s1[14:])
print ("s1[:]\t\t\t\t\t " + s1[:])
print ("s1[-len(s1):]\t\t\t\t", s1[-len(s1):])
print ("s1[-len(s1):len(s1)]\t\t\t", s1[-len(s1):len(s1)])
print ("s1[0:len(s1):2]\t\t\t\t", s1[0:len(s1):2])
print ("s1[len(s1)-1:0:-2]\t\t\t", s1[len(s1)-1:0:-2])
print ("- " * times)
```