

```
# Strings are sequence of characters
```

```
userName = "Admin"
```

```
print(userName) # Admin
```

```
# Find the length of String
```

```
print(len(userName)) # 5
```

```
# String using Indexing
```

```
print(userName[0]) # A
```

```
print(userName[1]) # d
```

```
# String indexing using Negative
```

```
print(userName[-1]) # n
```

```
print(userName[-2]) # i
```

```
print(userName[-5]) # A
```

```
print(userName[0]) # A
```

```
# print(userName[-6]) # IndexError: string index out of range
```

```
# String slicing
```

```
print(userName[0:5]) # Admin
```

```
print(userName[0:3]) # Adm
```

```
# string is immutable
```

```
s1 = "NameOne"
```

```
s1[0] = "n"
```

```
print(s1) # TypeError: 'str' object does not support item assignment
```

String Concatenation

```
userName = "System"  
userPassword = "Admin"
```

```
login = "System " + "Admin"  
print(login) # System Admin
```

s String Repetition

```
print(5 * "login") # loginloginloginloginlogin
```

Escape Sequences (Refer Slide)

\n new line character

```
print("hello\n,user")
```

Output

hello

,user

Horizontal Tab

```
print("hello\t,user")
```

Output

hello ,user

Single Quotation Mark

```
print('hello\' user')
```

Output

hello' user

Double Quotation Mark

```
print("hello\" user")
```

Output

hello" user

BackSlash print("\\") would display single \ character

```
print("hello\\ user")
```

Output

hello\ user

BackSpace

```
print("hello\buser")
```

Output

helluser