

```
# accessing the string
```

```
a = "vivek"  
print(a)
```

```
↔ vivek
```

```
# basic string operators
```

```
a = "vivek"+"chauhan"  
print(a)
```

```
↔ vivekchauhan
```

```
# replication operators
```

```
5*"vivek"
```

```
↔ 'vivekvivekvivekvivekvivek'
```

```
# membership operators
```

```
a = "vivek"  
b = "vivek chauhan"
```

```
print(a in b)  
print(b in a)  
print(a not in b)  
print(b not in a)
```

```
↔ True  
False  
False  
True
```

```
# relational operators
```

```
"vivek"=="vivek"
```

```
↔ True
```

```
# slice notation
```

```
a = "vivek"  
print(a)  
  
print(a[0])  
print(a[:5])  
print(a[0:])  
print(a[0:4])
```

```
↔ vivek  
v  
vivek  
vivek  
vive
```

## ✓ string functions and methods

```
name = "vivek chauhan"  
print(name.capitalize())
```

```
↔ Vivek chauhan
```

```
name = "vivek chauhan"  
search = "i"  
print(name.count(search,0,4))
```

```
↔ 1
```

```
name = "vivek chauhan"  
ends = "chauhan"  
print(name.endswith(ends))
```

→ True

```
name = "vivek chauhan"
str1 = "vek"
str2 = "cha"

print(name.find(str1))
print(name.find(str2))
print(name.find(str1,0,8))
print(name.find(str2,5,8))
if(name.find(str2,5,8)):
    print("contains substring!")
else:
    printn("does not contain substring!")
```

→ 2  
6  
2  
-1  
contains substring!

```
name = "vivek chauhan"
print(name.index("vivek"))
```

→ 0

```
name = "vivek chauhan"
print(name.isalnum())
name = "vivekchauhan0000"
print(name.isalnum())
```

→ False  
True

```
name = "vivek chauhan"
print(name.isdigit())
name = "00000"
print(name.isdigit())
```

→ False  
True

```
name = "vivek chauhan"
print(name.islower())
```

→ True

```
name = "vivek chauhan"
print(name.isupper())
```

→ False

```
name = "vivek chauhan"
print(name.isspace())
name = " "
```

→ False  
True

```
name = " "
```

→ 2  
13

```
name = "VIVEK CHAUHAN"
print(name.lower())
```

→ vivek chauhan

```
name = "vivek chauhan"
print(name.upper())
```

→ VIVEK CHAUHAN

```
name = "vivek chauhan"
print(name.startswith("vivek")) # it returns the boolean value
print(name.startswith("ch",5,8))
```

↔ True  
False

```
name = "Vivek chauhan"
print(name.swapcase())
```

↔ vIVEK CHAUHAN

```
name = "#####vivek chauhan"
print(name.lstrip("#"))
```

↔ vivek chauhan

```
name = "vivek chauhan#####"
print(name.rstrip("#"))
```

↔ vivek chauhan

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