

```
In [8]: s="Hello Arsh!"  
        type(s)
```

```
Out[8]: str
```

```
In [9]: isinstance(s, str)
```

```
Out[9]: True
```

```
In [10]: #Capitalize first alphabet of first word.  
         s.capitalize()
```

```
Out[10]: 'Hello arsh!'
```

```
In [11]: s1="arsh saxena"  
         s1.capitalize()
```

```
Out[11]: 'Arsh saxena'
```

```
In [14]: #Capitalize first alphabet of each word.  
         s1.title()
```

```
Out[14]: 'Arsh Saxena'
```

```
In [16]: s1
```

```
Out[16]: 'arsh saxena'
```

```
In [26]: s1="arsh saxena"  
         s1=s1.title()  
         s1
```

```
Out[26]: 'Arsh Saxena'
```

```
In [7]: #Capitalize all alphabets of each words.  
s2="arsh saxena"  
s2.upper()
```

Out[7]: 'ARSH SAXENA'

```
In [5]: s2
```

Out[5]: 'arsh saxena'

```
In [30]: s2="arsh saxena"  
s2=s2.upper()  
s2
```

Out[30]: 'ARSH SAXENA'

```
In [11]: #Convert each alphabet of each word in lowercase.  
s3="ARSH SAXENA"  
s3.lower()
```

Out[11]: 'arsh saxena'

```
In [9]: s3
```

Out[9]: 'ARSH SAXENA'

```
In [10]: s3=s3.lower()  
s3
```

Out[10]: 'arsh saxena'

```
In [17]: #Tells lentgh of the given string.  
s4="Arsh Saxena"  
len(s4)
```

Out[17]: 11

```
In [16]: s5="Arsh Saxena"  
l=0  
for i in s5:  
    l+=1  
print(l)
```

11

```
In [20]: #Breaks the given string around spaces.  
s6="Arsh Saxena"  
s6.split()
```

Out[20]: ['Arsh', 'Saxena']

```
In [21]: s6
```

Out[21]: 'Arsh Saxena'

```
In [23]: s6=s6.split()
```

```
In [24]: type(s6)
```

Out[24]: list

```
In [28]: s7="How are you?"  
s7.split()
```

Out[28]: ['How', 'are', 'you?']

```
In [30]: s8=123456789
len(s8)
```

```
-----
TypeError                                Traceback (most recent call last)
<ipython-input-30-2cdddee97318> in <module>
      1 s8=123456789
----> 2 len(s8)

TypeError: object of type 'int' has no len()
```

```
In [31]: len(str(s8))
```

```
Out[31]: 9
```

```
In [37]: #Joins the elements of the given list.
s9=["Arsh", "Saxena"]
"_".join(s9)
```

```
Out[37]: 'Arsh_Saxena'
```

```
In [38]: I="Arsh"
II="Saxena"
I+II
```

```
Out[38]: 'ArshSaxena'
```

```
In [39]: s10="Arsh Saxena"
"." .join(s10)
```

```
Out[39]: 'A.r.s.h. .S.a.x.e.n.a'
```

```
In [40]: "-".join(s10)
```

```
Out[40]: 'A-r-s-h- -S-a-x-e-n-a'
```

```
In [43]: "_hi_".join(s10)
```

```
Out[43]: 'A_hi_r_hi_s_hi_h_hi_ _hi_S_hi_a_hi_x_hi_e_hi_n_hi_a'
```

```
In [13]: s11="rahul Janghu"  
new=""  
for i in s11:  
    if i=="r":  
        new+="R"  
    else:  
        new+=i  
print(new)
```

Rahul Janghu

```
In [10]: #To replace any alphabet with other.  
s16="ARsh Saxena"  
s16.replace("R", "r")
```

```
Out[10]: 'Arsh Saxena'
```

```
In [8]: s16
```

```
Out[8]: 'ARsh Saxena'
```

```
In [9]: s16=s16.replace("R", "r")  
s16
```

```
Out[9]: 'Arsh Saxena'
```

```
In [54]: #Count particular aplhabet.  
s12="Arsh Saxena"  
count=0  
for i in s12:  
    if i=="A":  
        count+=1  
count
```

```
Out[54]: 1
```

```
In [55]: s13="My name is Arsh."  
s13
```

```
Out[55]: 'My name is Arsh.'
```

```
In [56]: name=input("What is your name? ")  
What is your name? Arsh
```

```
In [57]: print("My name is", name)  
My name is Arsh
```

```
In [72]: #Used for formatting.  
naam=input("Name: ")  
age=int(input("Age: "))  
s14="Hey my name is %a and my age is %i."%(naam, age)  
s14
```

```
Name: Arsh  
Age: 14
```

```
Out[72]: "Hey my name is 'Arsh ' and my age is 14."
```

```
In [73]: naam=input("Name: ")  
age=int(input("Age: "))  
s14="Hey my name is {} and my age is {}".format(naam, age)  
s14
```

```
Name: Arsh  
Age: 14
```

```
Out[73]: 'Hey my name is Arsh and my age is 14.'
```

```
In [76]: naam=input("Name: ")
age=int(input("Age: "))
s15=f"Hey my name is {name} and my age is {age}."
s15
```

Name: Arsh

Age: 14

```
Out[76]: 'Hey my name is Arsh and my age is 14.'
```

```
In [82]: num=int(input("Number="))
sq=f"Hey, the square of the given number {num} is {num*num}."
sq
```

Number=14

```
Out[82]: 'Hey, the square of the given number 14 is 196.'
```