In [1]:
```
a='Rashmi'
print(a[1,2])
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[1], line 2
      1 a='Rashmi'
----> 2 print(a[1,2])

TypeError: string indices must be integers, not 'tuple'
```

In [2]:
```
print(a[1:2])
```

```
a
```

In [3]:
```
print(a[3:6])
```

```
hmi
```

In [4]:
```
len(a)
```

Out[4]: 6

In [5]:
```
print(a[-3,-6])
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[5], line 1
----> 1 print(a[-3,-6])

TypeError: string indices must be integers, not 'tuple'
```

In [8]:
```
print(a[-3:-6])
```

In [14]:
```
print(a[-3:-5])
```

In [10]:
```
print(a[3:])
```

```
hmi
```

In [13]:
```
print(a[-2:])
```

```
mi
```

In [15]:
```
print(a[0,6,2])
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[15], line 1
----> 1 print(a[0,6,2])

TypeError: string indices must be integers, not 'tuple'
```

In [16]:
```
print(a[0:6:2])
```

```
Rsm
```

In [19]:
```
a='rashmi'
print(a.capitalize())
```

```
Rashmi
```

In [20]:
```
a='Rashmi\tBalurkar'
print(a)
```

```
Rashmi  Balurkar
```

In [21]:
```
a
```

Out[21]:
```
'Rashmi\tBalurkar'
```

In [23]:
```
print(a.count('r'))
```

```
2
```

In [24]:
```
print(a.count('z'))
```

```
0
```

In [25]:
```
print(a.endswith('ar'))
```

```
True
```

In [27]:
```
print(a.expandtabs())
```

```
Rashmi  Balurkar
```

In [28]:
```
print(a.expandtabs(20))
```

```
Rashmi              Balurkar
```

In [29]:
```
print(a.find('a'))
```

```
1
```

In [30]:
```
print(a.find('sh'))
```

```
2
```

In [32]:
```
sentence = 'My name is {}'.format(a)
```

In [33]:
```
print(sentence)
```

```
My name is Rashmi       Balurkar
```

In [34]:
```
me = 'Rashmi Balurkar'
daug = 1
dname = 'Saanchi'
sentence = 'My name is {}. I have {} daughter. Her name is {}.'.format(me,str(daug)
```

In [35]:
```
print(sentence)
```

```
My name is Rashmi Balurkar. I have 1 daughter. Her name is Saanchi.
```

In [37]:
```
print(me.isalnum())
```

```
False
```

In [38]:
```
print(dname.isalnum())
```

```
True
```

In [42]:
```
print(me.isalpha())
print(dname.isalpha())
print(daug.isalpha())
```

```
False
True
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[42], line 3
      1 print(me.isalpha())
      2 print(dname.isalpha())
----> 3 print(daug.isalpha())

AttributeError: 'int' object has no attribute 'isalpha'
```

In [43]:
```
print(me.isalpha())
print(dname.isalpha())
#print(daug.isalpha())
```

```
False
True
```

In [44]:
```
print(daug.isdigit())
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[44], line 1
----> 1 print(daug.isdigit())

AttributeError: 'int' object has no attribute 'isdigit'
```

In [45]:
```
daug = '1'
print(daug.isdigit())
```

```
True
```

In [46]:
```
print(daug.digit())
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[46], line 1
----> 1 print(daug.digit())

AttributeError: 'str' object has no attribute 'digit'
```

In [47]:
```
daug = 1
print(daug.digit())
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[47], line 2
      1 daug = 1
----> 2 print(daug.digit())

AttributeError: 'int' object has no attribute 'digit'
```

In [48]:
```
a = 10.0
print(a.isdecimal())
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[48], line 2
      1 a = 10.0
----> 2 print(a.isdecimal())

AttributeError: 'float' object has no attribute 'isdecimal'
```

In [49]:
```
a = '10.0'
print(a.isdecimal())
```

```
False
```

In [51]:
```
a = '1rash'
print(a.isidentifier())
```

```
False
```

In [52]:
```
a = 'rashmi_balurkar'
print(a.isidentifier())
```

```
True
```

In [53]:
```
print(a.islower())
```

```
True
```

In [61]:
```
a = 'ABCD'
```

In [63]:
```
print(a.isupper()) #All caps
```

```
True
```

In [64]:
```
num = '10'
print(num.isnumeric())
```

```
True
```

In [68]:
```
name = ['Rashmi','Balurkar','Saanchi']
result = 'Hello!,' .join(name)
```

In [69]:
```
result
```

Out[69]:
```
'RashmiHello!,BalurkarHello!,Saanchi'
```

In [72]:
```
name = 'My name is Rashmi Balurkar'
print(name.strip('a'))
```

```
My name is Rashmi Balurkar
```

In [73]:
```
print(name.strip('r'))
```

```
My name is Rashmi Balurka
```

In [74]:
```
print(name.replace('Rashmi','Saanchi'))
```

```
My name is Saanchi Balurkar
```

In [75]:
```
print(name.split())
```

```
['My', 'name', 'is', 'Rashmi', 'Balurkar']
```

In [76]:
```
print(name.title())
```

```
My Name Is Rashmi Balurkar
```

In [77]:
```
print(name.swapcase())
```

```
mY NAME IS rASHMI bALURKAR
```

In [79]:
```
print(name.startswith('My'))
```

```
True
```

In [80]:
```
name = 'Rashmi'
print(name(:3))
```

```
  Cell In[80], line 2
    print(name(:3))
                ^
SyntaxError: invalid syntax
```

In [81]:
```
print(name[:3])
```

```
My
```

In [85]:
```
name = 'Rashmi'
print(name[3:] + name[:3])
```

```
hmiRas
```

In [86]:
```
print(name[:3] + name[3:])
```

```
Rashmi
```

In [87]:
```
lname = [1,2,3,4,5,6]
print(lname + [7,8,9])
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9]
```

In [88]:
```
lname[5] = 9
print(lname)
```

```
[1, 2, 3, 4, 5, 9]
```

In [89]:
```
a='Rashmi'
print(a.isalpha())
```

```
True
```

In [90]:
```
a='Rashmi Balurkar'
print(a.isalpha())
```

```
False
```

In [91]:
```
a='10.5'
print(a.isnumeric())
```

```
False
```

In [92]:
```
a='10'
print(a.isnumeric())
```

```
True
```

In [ ]:
```

```