```
1 s1 ="python"
2 s2= "PYTHON"
3 s1.casefold()
```

In [1]:

```
1 s="python programming"
2 s.capitalize()
```

Out[1]:

```
'Python programming'
```

In [3]:

```
1 s1 ="python"
2 s2= "PYTHON"
3 s2.casefold()
```

Out[3]:

```
'python'
```

In [4]:

```
1 s1.upper()
```

Out[4]:

```
'PYTHON'
```

In [8]:

```
1 s="123"
2 print(s.isnumeric())
3 s1="python programing 123 @"
4 print(s1.isdigit())
```

```
True
False
```

In [10]:

```
1 s2="priya"
2 print(s2.isalpha())
3 print(s1.isalpha())
```

```
True
False
```

In [11]:

```
s ="priya34"
s.isalnum()
```

Out[11]:

```
True
```

In [12]:

```
s0="hjk89@56"
s0.isalnum()
```

Out[12]:

```
False
```

In [2]:

```
s3= "hyujoopython###$% programming"
s4 = s3.split("p")
type(s4)
s3
s4
```

Out[2]:

```
['hyujoo', 'ython###$% ', 'rogramming']
```

In [3]:

```
s1 ="harsha priya 143"
for i in s1:
    if i.isdigit():
        print(i,end="")
```

```
143
```

In [5]:

```
s1 ="python programming 123 #$%@" .split()
print(s1)
for i in s1:
    if i.isdigit():
        print(i)
```

```
['python', 'programming', '123', '#$%@']
123
```

In [2]:

```
s ="      python programming      "
s.replace(" ","")
s.replace(" ","@")
```

Out[2]:

```
'@@@@@@python@programming@@@@@@'
```

In [3]:

```
print(s.lstrip())
print(s.rstrip())
print(s.strip())
```

```
python programming
      python programming
python programming
```

In [4]:

```
print(s.replace(" ","@"))
print(s.replace("p","#"))
s1 =s.strip()
s1.replace(" ","")
s.replace(" ","")
```

```
@@@@@@python@programming@@@@@@
      #ython #rogramming
```

Out[4]:

```
'pythonprogramming'
```

In [5]:

```
s = "python programmiiing"
"@".join(s)
"CSE".join(s)
```

Out[5]:

```
'pCSEyCSEtCSEhCSEoCSEnCSE CSEpCSErCSEoCSEgCSErCSEaCSEmCSEmCSEiCSEiCSEiCSEnCS
Eg'
```

In [6]:

```
s.count("g")
print (s.count('m'))
print(s.count('mm'))
```

```
2
1
```

In [14]:

```
s.index("g")

```

Out[14]:

```
10
```

In [8]:

```
s = "python programming"
s.istitle()
```

Out[8]:

```
False
```

In [9]:

```
s.title()
```

Out[9]:

```
'Python Programming'
```

In [15]:

```
print(dir(str))
```

```
['__add__', '__class__', '__contains__', '__delattr__', '__dir__', '__doc_
_', '__eq__', '__format__', '__ge__', '__getattribute__', '__getitem__', '__
getnewargs__', '__gt__', '__hash__', '__init__', '__init_subclass__', '__ite
r__', '__le__', '__len__', '__lt__', '__mod__', '__mul__', '__ne__', '__new_
_', '__reduce__', '__reduce_ex__', '__repr__', '__rmod__', '__rmul__', '__se
tattr__', '__sizeof__', '__str__', '__subclasshook__', 'capitalize', 'casefo
ld', 'center', 'count', 'encode', 'endswith', 'expandtabs', 'find', 'forma
t', 'format_map', 'index', 'isalnum', 'isalpha', 'isascii', 'isdecimal', 'is
digit', 'isidentifier', 'islower', 'isnumeric', 'isprintable', 'isspace', 'i
stitle', 'isupper', 'join', 'ljust', 'lower', 'lstrip', 'maketrans', 'partit
ion', 'replace', 'rfind', 'rindex', 'rjust', 'rpartition', 'rsplit', 'rstri
p', 'split', 'splitlines', 'startswith', 'strip', 'swapcase', 'title', 'tran
slate', 'upper', 'zfill']
```

In [19]:

```
s="python programming"
s.startswith("p")
```

Out[19]:

```
True
```

In [23]:

```
s = "python"
s
s.center(7,"A")
```

Out[23]:

```
'Apython'
```

In [27]:

```
s ="python python python programming"
for i in range(len(s)):
    # print(i) #0,1,2,3
    #print(s[i]) #pyt
    if s[i] == "p":
        print(i)
```

```
0
7
14
21
```

In [28]:

```
s ="python python python programming"
for i in range(len(s)):
    if i == "p":
        print(s.index(i))
```

In [30]:

```
txt = "\##u0033" #unicode for 3

x = txt.isdecimal()

print(x)

```

```
False
```

In [ ]:

```

```