

In [1]:

```
n="APSSDC Internship"
print(n)
```

APSSDC Internship

In [11]:

```
print(n)
print(n[5])
print(n[-3])
print(n[:])
print(n[3:])
print(n[:10])
print(n[5:12])
print(n[9:-3])
print(n[-7:11])
print(n[-7:-3])
```

APSSDC Internship

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APSSDC Internship

SDC Internship

APSSDC Int

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terns

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In [21]:

```
print(n)
print(n[::])
print(n[::2])
print(n[5::3])
print(n[10::-3])
print(n[6:10:])
print(n[-6:14:])
print(n[-10:-5:])
print(n[5:10:3])
print(n[5:-7:2])
```

APSSDC Internship

APSSDC Internship

ASD nenhp

Cnrh

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Int

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Inter

Cn

CIIt

In [24]:



```
m=str(2397182496874023976487326492374)
print(m,type(m))
k=int(m[::-1])
print(k,type(k))
```

```
2397182496874023976487326492374 <class 'str'>
4732946237846793204786942817932 <class 'int'>
```

In [25]:



```
n=input()
print(n[0:2]+" "+n[2:-2]+" "+n[-2:])
```

```
APSSDC Programs
AP SSDC Progra ms
```

In [26]:



```
m="APSSDC Programs"
print(m[-2:])
```

ms

In [27]:



```
print(n)
```

APSSDC Programs

In [28]:



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

```
['__add__', '__class__', '__contains__', '__delattr__', '__dir__', '__doc__',
 '__eq__', '__format__', '__ge__', '__getattr__', '__getitem__', '__getnewargs__',
 '__gt__', '__hash__', '__init__', '__init_subclass__', '__iter__', '__le__',
 '__len__', '__lt__', '__mod__', '__mul__', '__ne__', '__new__', '__reduce__',
 '__reduce_ex__', '__repr__', '__rmod__', '__rmul__', '__setattr__', '__sizeof__',
 '__str__', '__subclasshook__', 'capitalize', 'casefold', 'center', 'count',
 'encode', 'endswith', 'expandtabs', 'find', 'format', 'format_map', 'index',
 'isalnum', 'isalpha', 'isascii', 'isdecimal', 'isdigit', 'isidentifier',
 'islower', 'isnumeric', 'isprintable', 'isspace', 'istitle', 'isupper',
 'join', 'ljust', 'lower', 'lstrip', 'maketrans', 'partition', 'replace',
 'rfind', 'rindex', 'rjust', 'rpartition', 'rsplit', 'rstrip', 'split',
 'splitlines', 'startswith', 'strip', 'swapcase', 'title', 'translate', 'upper',
 'zfill']
```

In [33]:



```
b="welcome to APSSDC Programs"
print(b)
print(b.capitalize())
print(b.casefold())
print(b.title())
print(b.swapcase())
```

```
welcome to APSSDC Programs
Welcome to apssdc programs
welcome to apssdc programs
Welcome To Apssdc Programs
WELCOME TO apssdc pROGRAMS
```

In [38]:



```
print(b)
print(b.upper())
print(b.lower())
print(b.startswith('w'))
print(b.endswith('s'))
```

```
welcome to APSSDC Programs
WELCOME TO APSSDC PROGRAMS
welcome to apssdc programs
True
True
```

In [49]:



```
print(b)
print(b.split())
print(b.split('e'))
print(b.rsplit('m'))
print(b.count('e'))
print(b.find('e'))
print(b.find('z'))
print(b.rfind('e'))
print(b.index('P'))
print(b.rindex('P'))
print(b.rindex('z'))
```

```
welcome to APSSDC Programs
['welcome', 'to', 'APSSDC', 'Programs']
['w', 'lcom', ' ' to APSSDC Programs']
['welco', 'e to APSSDC Progra', 's']
2
1
-1
6
12
18
```

```
-----
ValueError                                Traceback (most recent call last)
<ipython-input-49-1ac8312961f8> in <module>
      9 print(b.index('P'))
     10 print(b.rindex('P'))
----> 11 print(b.rindex('z'))
```

ValueError: substring not found

In [53]:



```
n=input().split()
print(n)
```

```
ramu rajesh kavitha
['ramu', 'rajesh', 'kavitha']
```

In [59]:



```
d="          sample"
e="Ramu Tarun      "
print(d)
print(e)
print(d.strip())
print(e.strip())
print(d.lstrip())
print(e.rstrip())
```

```
          sample
Ramu Tarun
sample
Ramu Tarun
sample
Ramu Tarun
```

In [66]:



```
print(d)
print(d.ljust(50))
print(e.ljust(50))
print(d.rjust(70))
print(e.rjust(70))
print(d.zfill(20))
```

```
          sample
          sample
Ramu Tarun
                                     sample
          sample          Ramu Tarun
```

In [78]:



```
k="Ramesh"
a=" ".join(k)
print(a)
print(k)
```

```
R a m e s h
Ramesh
```

In [79]:



```
t=["34", '45', '786']
g="-".join(t)
print(g)
print(t)
```

```
34-45-786
['34', '45', '786']
```

In [80]:

```
n=input().split("-")
p=n[2].split()
print(n[1]+" "+p[1])
```

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In [82]:

```
k='145syfg&*$#'
for i in k:
    print(i,end=" ")
```

1 4 5 s y f g & * \$ #

In [83]:

```
print(k.isalpha())
print(k.isalnum())
```

False
False

In [84]:

```
u="123sfgt"
i="ASEdrt"
print(u.isalnum())
print(i.isalpha())
```

True
True

In [117]:

```
a="145SYfg&*#"
print("given string is:",a)
b=a[3:7:1]
print("Alphabets in 145SYfg&*3 is :",b)
c=a[0:3]
print("numbers in 145SYfg&*3 is :",c)
d=a[7:10]
print("special symbols in 145SYfg&*3 is:",d)
```

given string is: 145SYfg&*#
Alphabets in 145SYfg&*3 is : SYfg
numbers in 145SYfg&*3 is : 145
special symbols in 145SYfg&*3 is: &*#

In [113]:



```
input="145SYfg&*#"
print(input)
input= isinstance(input,int)
if input:
    print(int)
```

145SYfg&*#

In []:

