

In [215]:

```
a="harsha vardhan"
print(a)
print(a[0])
print(a[-1])
print(a[0:6])
print(a[-7:])
print(a[0:6:2])
print(a[::-1])
print(a[1:-1])
print(len(a))
print(len(a)//2)
print(a[len(a)//2])
print(a[-4:])
print(a[5::-1])
print(a[5::-1]+" "+a[7::])
print(a[5:0:-1]+a[0],a[7:])
print(a[::-1])
print(a[0:-1:]+a[-1])
```

```
harsha vardhan
h
n
harsha
vardhan
hrh
nahdrav ahsrah
arsha vardha
14
7
v
dhan
ahsrah
ahsrah vardhan
ahsrah vardhan
nahdrav ahsrah
harsha vardhan
```

In [216]:

```
print (dir(" "))
```

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

In [217]:

```
a='harsha'
b="harsha is good boy"
print(a.islower())
print(a.isupper())
print(a.capitalize())
print(a.istitle())
print(b.islower())
print(b.isupper())
print(b.capitalize())
print(b.istitle())
print(a.startswith("a"))
print(a.endswith("a"))
```

```
print (b.startswith("h"))
print (b.startswith("H"))
print (b.endswith("Y"))
print (b.endswith("y"))
```

```
True
False
Harsha
False
True
False
Harsha is good boy
False
False
True
True
False
False
True
```

In [218]:

```
a="manikanta"
print (a.center(14))
print (a.center(22,"-"))
b="joel"
print (b.center(17,"#"))
#LEFT OR FIGHT IT MAY TAKE
#IF ODD RIGHT
#IF EVEN LEFT
```

```
manikanta
-----manikanta-----
#####joel#####
```

In [219]:

```
a="harsha"
print (a.find("s"))
print (a.find("a"))
```

```
3
1
```

In [220]:

```
#count
a="manikanta"
print(a.count("a"))
print(a.count("a",3))
```

```
3
2
```

In [221]:

```
a="manikanta"
print(a.find("a"))
print(a.rfind("a"))
print(a.index("a"))
print(a.rindex("a"))
print(a.find("z"))
#error print(a.index("z"))
```

```
1
8
1
8
-1
```

In [222]:

```
a="har\tsha"  
a.expandtabs()
```

Out[222]:

```
'har      sha'
```

In [223]:

```
a="this is {name} and my age is {age}".format(name="harsha",age=19)  
print (a)
```

```
this is harsha and my age is 19
```

In [224]:

```
a="harsha123"  
b="1234"  
print (a.isalnum())#number or alphabet  
print (a.isalpha())#only alphabets  
print (b.isdigit())#only numbers  
print (b.isdecimal())  
#c='\UB002'#uniccode  
#print (c.isdecimal()) o/p=fa
```

```
True  
False  
True  
True
```

In [225]:

```
a="    harsha    "#4 spaces  
print (a.strip())  
print (a.lstrip())#removes right side space  
print (a.rstrip())  
(a.strip())  
a.lstrip()#removes right side space  
a.rstrip()  
#if print is not used only last one  
#executes but all lines will run
```

```
harsha  
harsha  
    harsha
```

Out[225]:

```
'    harsha'
```

In [226]:

```
a="this is harsha vardhan"  
print(a.rpartition("is"))  
b="hello hai iam harsha"  
print(b.partition("hai"))
```

```
('this ', 'is', ' harsha vardhan')  
('hello ', 'hai', ' iam harsha')
```

In [227]:

```
a="this is harsha vardhan"  
print (a.replace("harsha","akash"))  
b="who is is is harsha vardhan"  
print (b.replace("is","akash",2))  
c="hai hai hai iam harsha"  
print (c.replace("hai","akash",2))
```

```
this is akash vardhan  
who akash akash is harsha vardhan  
akash akash hai iam harsha
```

In [228]:

```
a="HaRsHa"  
print (a.swapcase())
```

hArShA

In []:

In [229]:

```
a="harsha"  
print (a.rjust(20, "."))  
print (a.ljust(20, "."))  
#print (a.just(20, "."))error  
print (a.zfill(8))
```

.....harsha
harsha.....
00harsha

In [230]:

```
a="HARSHA"  
n=a.capitalize() # no need  
print (a.casefold())
```

harsha

In [231]:

```
a="joel"  
print (a.upper())  
print (a.lower())  
print (a.encode())
```

JOEL
joel
b'joel'

In [232]:

```
a="hardik pandya is best allrounder"  
print (a.split("pandya")) #will diappear
```

['hardik ', ' ' is best allrounder']

In [233]:

```
a="rohit sharma is best batsman"  
print (a.partition("sharma")) #will appear
```

('rohit ', 'sharma', ' ' is best batsman')

In [234]:

```
a="rohit sharma is best batsman"  
print (a.split())
```

['rohit', 'sharma', 'is', 'best', 'batsman']

In [235]:

```
a="rohit \nsharma\n is\n best\n batsman"  
print (a.splitlines())  
#if keep to in brackets \n also visible on o/p
```

['rohit ', 'sharma', ' ' is', ' ' best', ' ' batsman']

In [236]:

In [236]:

```
a="rohit sharma is best batsman sharma"
a1=a.split("sharma")
a2="hitman".join(a1)
print (a2)
```

rohit hitman is best batsman hitman

In [237]:

```
#@bessttttt friendssssss foreverrrrrr
a="harsha vardhan chekuri"
b='joel sri prakash dasari'
c="sri manikanta raju kurapati"
print (a,b,c)
print (a)
print (b)
print (c)
```

harsha vardhan chekuri joel sri prakash dasari sri manikanta raju kurapati
harsha vardhan chekuri
joel sri prakash dasari
sri manikanta raju kurapati

In [238]:

```
hello={58:68}
data='hello roy'
print (data.translate(hello))
```

hello roy

In []:

```
#count no of digits in given str
n=input("enter str:")#space count include
print (len(str(n)))
```

In [1]:

```
#palindrome
a="nitin"
b=a[::-1]
if a==b:
    print ('it is a palindrome')
else:
    print ("it is not palindrome")
```

it is a palindrome