Find outputs (Home work)

a = "Rama Rao"

print(a) → Rama Rao

print(type(a)) → <Class 'Str'>

print(id(a)) → Address of the str Object

b = 'Hyd'

print(b) → Hyd

c = '''Hyd is green city.

Hyd is hitec city.

Hyd is beautiful city.'''

print(c) → Hyd is green city.

Hyd is hitec city.

Hyd is beautiful city.

Index demo program (Home work)

a = 'Hyd'

print(How to print 'H' of object 'a') → print(a[0])

print(How to print 'y' of object 'a') → print(a[1])

print(How to print 'd' of object 'a') → print(a[2])

print(a[3]) → Error(out of range)

print(How to print 'd' of object 'a') → print(a[-1])

print(How to print 'y' of object 'a') → print(a[-2])

print(How to print 'H' of object 'a') → print(a[-3])

print(a[-4]) → Error(out of range)

print(a[0] == a[-3]) → H

a[2] = 'c'

print(25[0]) → Error Its not a String

print('25'[0]) → **2**

print(True[1]) → Error

print('True'[1]) → r

Find outputs (Home work)	Outputs
a = 'Hyd'	
print(a * 3)	HydHydHyd
print(a * 2)	HydHyd
print(a * 1)	Hyd
print(a * 0)	'Empty String'
print(a * -1)	'Empty String'
print(25 * 3)	75
print('25' * 3)	252525
print('25' * 4.0)	100.0
print(3 * 'Hyd')	HydHydHyd
print('25' * True)	25

 # Tricky program

 # Find outputs (Home work)

a = 'Hyd'	
print(a , id(a))	Hyd, Address of the Str object
a = a * 3 # It is valid (or) invalid	Valid
print(a , id(a))	HydHydHyd, Address of the Str object
# len() function (Home work)	
print(len('Hyd'))	3
print(len('Rama Rao'))	8
print(len('9247'))	4
print(len(''))	0
print(len(' '))	1
print(len(689))	Error
# Find outputs (Home work)	
a = """Hyd"""	
print(a)	Hyd
print(len(a))	3
print(a[0])	H
print("""Hyd""")	Hyd

```
b = """"Hyd"""
print(b)  #                                 ""Hyd
print(len(b))                               5
```

 # Find outputs

```
a = 'Sankar Dayal Sarma'
print(a[7 : 12])              # string from indexes 7 to 11 in steps of default 0 i.e. 'Dayal'
print(a[7 : ])                # string from indexes 7 to end in steps of default 0 i.e. 'Dayal Sharma'
print(a[ : 6])                # string from indexes 0 to 5 in steps of default 0 i.e. 'Sankar'
print(a[ : ])                 # string from indexes 7 to end in steps of default 0 i.e. 'Sankar Dayal Sharma'
print(a[:  : ])               # string from indexes 7 to end in steps of default 0 i.e. 'Sankar Dayal Sharma'
print(a[1 : 10 : 2])          # string from indexes 1 to 9 in steps of 2 i.e. akrDy
print(a[0 : : 2])             # string from indexes 0 to 1 in steps of 2 i.e. Sna aa am
print(a[1 : : 2])             # string from indexes 1 to 17 in steps of 2 i.e. akrDylSra
print(a[-5 : -1])             # string from indexes -5 to -2 i.e  sarm
print(a[::-1]) #  a[-1 : -19 : -1] ---> string from indexes -1 to  -18 in steps of -1 i.e. Reverse string
print(a[-1:-5:-1])    # string from indexes -1 to -5 in steps of -1 i.e. amra
print(a[ : : -2])             #  string from indexes end to start in steps of -2 i.e. am aaDanS

print(a[3 : -3])              # string from indexes 3 to -3 in steps of 1 i.e. kar Dayal Sa
print(a[2 : -5])              # string from indexes 2 to -5 in steps of 1 i.e. **nkar Dayal **
print(a[-1:-5])               # string from indexes -1 to -5 in steps of 1 i.e. (empty string)
print(a[3 : 3])               # string from indexes 3 to 3 in steps of 1 i.e. (empty string)
```

```
#  0   1   2   3   4   5   6     7   8   9   10  11  12     13  14   15  16  17
#  S   a   n   k   a   r         D   a   y   a   l         S   a   r   m   a
# -18 -17 -16 -15 -14 -13 -12   -11 -10 -9  -8  -7  -6    -5  -4  -3  -2  -1
```