#print statement

print('hello world')

hello world

print("My name is avinishya. I'm from Chennai")

My name is Avinishya. I'm from Chennai

#variables

a=10

b=20

print(a+b)

30

math=90

type(math)

<class 'int'>

a1='Arav'

type(a1)

<class 'str'>

dir(a)

['\_\_abs\_\_', '\_\_add\_\_', '\_\_and\_\_', '\_\_bool\_\_', '\_\_ceil\_\_', '\_\_class\_\_', '\_\_delattr\_\_', '\_\_dir\_\_', '\_\_divmod\_\_', '\_\_doc\_\_', '\_\_eq\_\_', '\_\_float\_\_', '\_\_floor\_\_', '\_\_floordiv\_\_', '\_\_format\_\_', '\_\_ge\_\_', '\_\_getattribute\_\_', '\_\_getnewargs\_\_', '\_\_getstate\_\_', '\_\_gt\_\_', '\_\_hash\_\_', '\_\_index\_\_', '\_\_init\_\_', '\_\_init\_subclass\_\_', '\_\_int\_\_', '\_\_invert\_\_', '\_\_le\_\_', '\_\_lshift\_\_', '\_\_lt\_\_', '\_\_mod\_\_', '\_\_mul\_\_', '\_\_ne\_\_', '\_\_neg\_\_', '\_\_new\_\_', '\_\_or\_\_', '\_\_pos\_\_', '\_\_pow\_\_', '\_\_radd\_\_', '\_\_rand\_\_', '\_\_rdivmod\_\_', '\_\_reduce\_\_', '\_\_reduce\_ex\_\_', '\_\_repr\_\_', '\_\_rfloordiv\_\_', '\_\_rlshift\_\_', '\_\_rmod\_\_', '\_\_rmul\_\_', '\_\_ror\_\_', '\_\_round\_\_', '\_\_rpow\_\_', '\_\_rrshift\_\_', '\_\_rshift\_\_', '\_\_rsub\_\_', '\_\_rtruediv\_\_', '\_\_rxor\_\_', '\_\_setattr\_\_', '\_\_sizeof\_\_', '\_\_str\_\_', '\_\_sub\_\_', '\_\_subclasshook\_\_', '\_\_truediv\_\_', '\_\_trunc\_\_', '\_\_xor\_\_', 'as\_integer\_ratio', 'bit\_count', 'bit\_length', 'conjugate', 'denominator', 'from\_bytes', 'imag', 'is\_integer', 'numerator', 'real', 'to\_bytes']

a+1

11

b+20

40

a1+20

Traceback (most recent call last):

File "<pyshell#19>", line 1, in <module>

a1+20

TypeError: can only concatenate str (not "int") to str

a='Sathish'

a+a

'SathishSathish'

a.capitalize

<built-in method capitalize of str object at 0x0000023F5665FE10>

help(a.captilize)

Traceback (most recent call last):

File "<pyshell#24>", line 1, in <module>

help(a.captilize)

AttributeError: 'str' object has no attribute 'captilize'. Did you mean: 'capitalize'?

help(a.capitalize)

Help on built-in function capitalize:

capitalize() method of builtins.str instance

Return a capitalized version of the string.

More specifically, make the first character have upper case and the rest lower

case.

capitalize(a)

Traceback (most recent call last):

File "<pyshell#26>", line 1, in <module>

capitalize(a)

NameError: name 'capitalize' is not defined

a.capitalize()

'Sathish'

c='bhuvana'

c.capitalize()

'Bhuvana'

c='suRESH'

c.capitalize()

'Suresh'

help(a.append)

Traceback (most recent call last):

File "<pyshell#32>", line 1, in <module>

help(a.append)

AttributeError: 'str' object has no attribute 'append'

help(a.center)

Help on built-in function center:

center(width, fillchar=' ', /) method of builtins.str instance

Return a centered string of length width.

Padding is done using the specified fill character (default is a space).

a.center(20)

' Sathish '

a.center(20,\*)

SyntaxError: Invalid star expression

a.center(20,'\*')

'\*\*\*\*\*\*Sathish\*\*\*\*\*\*\*'

dir(c)

['\_\_add\_\_', '\_\_class\_\_', '\_\_contains\_\_', '\_\_delattr\_\_', '\_\_dir\_\_', '\_\_doc\_\_', '\_\_eq\_\_', '\_\_format\_\_', '\_\_ge\_\_', '\_\_getattribute\_\_', '\_\_getitem\_\_', '\_\_getnewargs\_\_', '\_\_getstate\_\_', '\_\_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', 'removeprefix', 'removesuffix', 'replace', 'rfind', 'rindex', 'rjust', 'rpartition', 'rsplit', 'rstrip', 'split', 'splitlines', 'startswith', 'strip', 'swapcase', 'title', 'translate', 'upper', 'zfill']