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"""
Topic: Python Output
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Reference : Examples - https://www.geeksforgeeks.org/keywords-python-set-1/
"""

Syntax: print(value(s), sep= ' ', end = '\n', file=file, flush=flush)

Parameters:
value(s) :
    Any value, and as many as you like.
    Will be converted to string before printed

sep='separator' :
    (Optional) Specify how to separate the objects,
    if there is more than one.Default : ' '

end='end':
    (Optional) Specify what to print at the end.Default : '\n'

file :
    (Optional) An object with a write method.
    Default :sys.stdout

flush :
    (Optional) A Boolean, specifying if the output is flushed (True)
    or buffered (False). Default: False
"""

# Python 3.x program showing
# how to print data on
# a screen
""" Type 1 """
# One object is passed
print("VIT Pune")

x = 5
# Two objects are passed
print("x =", x)

""" Type 2 """
# using end argument
print("Python", end = '@')
print("VIT Pune India")

# This Python program must be run with
# Python 3 as it won't work with 2.7.

# ends the output with a <space>
print("Welcome to" , end = ' ')
print("VIT", end = ' ')

# Python 3 code for printing
# on the same line printing
# geeks and geeksforgeeks
# in the same line

print("Pune", end = " ")
print("Maharashtra")

# array

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a = [1, 2, 3, 4]

# printing a element in same
# line
for i in range(4):
    print(a[i], end = " ")

""" Type 3 """
# code for disabling the softspace feature
print('V', 'I', 'T', sep='')

#code for disabling the softspace feature
print('G','F','G', sep='')

#for formatting a date
print('09','12','2016', sep='-')

#another example
print('me','vitpune', sep='@')

""" Type 4 """

# Python program showing how to use
# string modulo operator(%) to print
# fancier output

# print integer and float value
print("Vit : % 2d, Portal : % 5.2f" %(1, 05.333))

# print integer value
print("Total students : % 3d, Boys : % 2d" %(240, 120))

# print octal value
print("% 7.3o"% (25))

# print exponential value
print("% 10.3E"% (356.08977))

""" Type 5 """

# Python program showing
# use of format() method

# using format() method
print('I love {} in "{}!"'.format('Programming', 'Python'))

# using format() method and refering
# a position of the object
print('{0} and {1}'.format('VIT', 'Portal'))

print('{1} and {0}'.format('VIT', 'Portal'))

""" Type 6 """

# Python program showing
# a use of format() method

# combining positional and keyword arguments
print('Number one portal is {0}, {1}, in {other}.'.
      .format('VIT', 'Pune', other='India'))

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# using format() method with number
print("VIT :{0:2d}, Portal :{1:8.2f}".
      format(12, 00.546))

# Changing positional argument
print("Second argument: {1:3d}, first one: {0:7.2f}".
      format(47.42, 11))

print("VIT: {a:5d}, Portal: {p:8.2f}".
      format(a = 453, p = 59.058))
```