rint("Hello, World!")

C:\Users\Your Name>python helloworld.py #in command prompt

if 5 > 2:

print("Five is greater than two!")

if 5 > 2:

print("Five is greater than two!")

if 5 > 2:

print("Five is greater than two!")

# for indentation

x = 5

y = "Hello, World!" #variables

#This is a comment.

print("Hello, World!")

"""

This is a comment

written in

more than just one line

"""

print("Hello, World!")

x = 5

y = "John"

print(x)

print(y) #variables creating

x = 4 # x is of type int

x = "Sally" # x is now of type str

print(x)

x = str(3) # x will be '3'

y = int(3) # y will be 3

z = float(3) # z will be 3.0 #casting

#get the type

x = 5

y = "John"

print(type(x))

print(type(y))

x = "John"

# is the same as

x = 'John'

#single ordouble quotes

a = 4

A = "Sally"

#A will not overwrite a

# variables are case sensitive

myvar = "John"

my\_var = "John"

\_my\_var = "John"

myVar = "John"

MYVAR = "John"

myvar2 = "John"

# legal variable names

#Camel Case

#Each word, except the first, starts with a capital letter:

myVariableName = "John"

#Pascal Case

#Each word starts with a capital letter:

MyVariableName = "John"

#Snake Case

#Each word is separated by an underscore character:

my\_variable\_name = "John"

#many values to multiple variables

x, y, z = "Orange", "Banana", "Cherry"

print(x)

print(y)

print(z)

#one value to multiple variables

x = y = z = "Orange"

print(x)

print(y)

print(z)

# unpack a collection

fruits = ["apple", "banana", "cherry"]

x, y, z = fruits

print(x)

print(y)

print(z)

#output variables

x = "Python is awesome"

print(x)

x = "Python"

y = "is"

z = "awesome"

print(x, y, z)

x = "Python "

y = "is "

z = "awesome"

print(x + y + z)

x = 5

y = 10

print(x + y)

x = 5

y = "John"

print(x + y)

x = 5

y = "John"

print(x, y)

x = "awesome"

def myfunc():

print("Python is " + x)

myfunc()

#global variable

x = "awesome"

def myfunc():

x = "fantastic"

print("Python is " + x)

myfunc()

print("Python is " + x)

# local variable

x = "awesome"

def myfunc():

global x

x = "fantastic"

myfunc()

print("Python is " + x)

# global keyword