
```
import os

# Environmental Variables
# for key, value in os.environ.items():
  # print (key, '->', value)

print ("Specific Environmental Variables ->", os.environ["OS"])

print ("------------------------------------------------------------")

# Current Working Directory
dir_name = os.getcwd()
print ("Current Working Directory ->", dir_name)

print ("------------------------------------------------------------")

# Create the directory
# os.mkdir(dir_name + "\\dir1")
# os.makedirs(dir_name + "\\dir2\\sub_dir2\\sub_dir3")
print ("Created Directories")

print ("------------------------------------------------------------")

# Listing the contents of the directory
for fname in os.listdir(dir_name):
  print ("File ->", fname)

print ("------------------------------------------------------------")

# Access
if (os.access(dir_name, os.F_OK)):
  print ("Directory Exist")
else:
  print ("Directory Doesn't Exist")

if (os.access(dir_name + "\\os_modules.py", os.F_OK)):
  print ("File Exist")
else:
  print ("File Doesn't Exist")

if (os.access(dir_name + "\\os_modules.py", os.R_OK)):
  print ("File has read permission")
else:
  print ("File doesn't have read permission")

if (os.access(dir_name + "\\os_modules.py", os.W_OK)):
  print ("File has write permission")
else:
  print ("File doesn't have write permission")
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if (os.access(dir_name + "\\os_modules.py", os.X_OK)):
  print ("File has execute permission")
else:
  print ("File doesn't have execute permission")

print ("--------------------------------------------------------------")

# Process Id
print ("Process Id of the Script ->", os.getpid())

print ("--------------------------------------------------------------")

# Basename and Dirname
print (os.path.split(dir_name + "\\os_modules.py"))
print (os.path.split(dir_name))

print ("--------------------------------------------------------------")

# Checks whether the input is a directory or not
print (os.path.isdir(dir_name + "\\os_modules.py"))
print (os.path.isdir(dir_name))

print ("--------------------------------------------------------------")

# Walking through the directory trees
for root, dname, fname in os.walk(dir_name):
  print ("Root ->", root)
  print ("Directory ->", dname)
  print ("File ->", fname)
  print ("**************************************************************")

print ("--------------------------------------------------------------")
```