**Command Line Crash Course, Option #1**

Exercise 1: The Setup

Windows PowerShell

Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

Exercise 2: Paths, Folders, Directories (pwd)

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

Exercise 3: If You Get Lost

C:\Users\rmann

PS C:\Users\rmann> cd

PS C:\Users\rmann> cd ~

PS C:\Users\rmann> cd ~

Exercise 4: Make A Directory (mkdir)

PS C:\Users\rmann> mkdir temp

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:12 AM temp

PS C:\Users\rmann> mkdir temp/staff

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:13 AM staff

PS C:\Users\rmann> mkdir temp/staff/things

Directory: C:\Users\rmann\temp\staff

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:14 AM things

PS C:\Users\rmann> mkdir temp/staff/things/frank/joe/alex/john

Directory: C:\Users\rmann\temp\staff\things\frank\joe\alex

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:16 AM john

PS C:\Users\rmann> mkdir temp/stuff/things/frank/joe/alex/john

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM john

Do more:

PS C:\Users\rmann> mkdir temp/stuff/things/frank/joe/alex/john/arua/koboko/nebbi/moyo/gulu/masindi/kasese/masaka

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM masaka

PS C:\Users\rmann> mkdir temp/stuff/things/frank/joe/alex/john/arua/koboko/nebbi/moyo/gulu/masindi/kasese/masaka/mbale/kumi/wakiso/kabale

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi\wakiso

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:41 AM kabale

PS C:\Users\rmann> mkdir temp/stuff/things/frank/joe/alex/john/arua/koboko/nebbi/moyo/gulu/masindi/kasese/masaka/mbale/kumi/wakiso/kabale/moroto/congo

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi\wakiso\kabale\moroto

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:43 AM congo

PS C:\Users\rmann> mkdir "I Have Fun"

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:46 AM I Have Fun

PS C:\Users\rmann> mkdir temp/"I Have Fun"/things/frank/joe/alex/john/arua/koboko/nebbi/moyo/gulu/masindi/kasese/masaka/mbale/kumi/wakiso/kabale/moroto/congo

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi\wakiso\kabale\moroto

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM congo

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> cd

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp> pwd

Path

----

C:\Users\rmann\temp

Exercise 5: Change Directory (cd)

PS C:\Users\rmann> cd

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp> pwd

Path

----

C:\Users\rmann\temp

PS C:\Users\rmann\temp> cd stuff

PS C:\Users\rmann\temp\stuff> pwd

Path

----

C:\Users\rmann\temp\stuff

PS C:\Users\rmann\temp\stuff> cd things

PS C:\Users\rmann\temp\stuff\things> pwd

Path

----

C:\Users\rmann\temp\stuff\things

PS C:\Users\rmann\temp\stuff\things> cd frank

PS C:\Users\rmann\temp\stuff\things\frank> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank

PS C:\Users\rmann\temp\stuff\things\frank> cd joe

PS C:\Users\rmann\temp\stuff\things\frank\joe> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank\joe

PS C:\Users\rmann\temp\stuff\things\frank\joe> cd alex

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank\joe\alex

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> cd john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank\joe\alex\john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> cd ..

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> cd..

PS C:\Users\rmann\temp\stuff\things\frank\joe> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank\joe

PS C:\Users\rmann\temp\stuff\things\frank\joe> cd ..

PS C:\Users\rmann\temp\stuff\things\frank> cd ..

PS C:\Users\rmann\temp\stuff\things> pwd

Path

----

C:\Users\rmann\temp\stuff\things

PS C:\Users\rmann\temp\stuff\things> cd ../../..

PS C:\Users\rmann> cd temp/stuff/things/frank/joe/alex/john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank\joe\alex\john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> cd ../../../../../../../

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> cd ..

PS C:\Users> cd ..

PS C:\> cd Users/rmann

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp> pwd

Path

----

C:\Users\rmann\temp

PS C:\Users\rmann\temp> cd stuff

PS C:\Users\rmann\temp\stuff> pwd

Path

----

C:\Users\rmann\temp\stuff

PS C:\Users\rmann\temp\stuff> cd things

PS C:\Users\rmann\temp\stuff\things> pwd

Path

----

C:\Users\rmann\temp\stuff\things

PS C:\Users\rmann\temp\stuff\things> cd frank

PS C:\Users\rmann\temp\stuff\things\frank> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank

PS C:\Users\rmann\temp\stuff\things\frank> cd joe

PS C:\Users\rmann\temp\stuff\things\frank\joe> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank\joe

PS C:\Users\rmann\temp\stuff\things\frank\joe> cd alex

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank\joe\alex

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> cd john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank\joe\alex\john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> cd ..

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> cd ..

PS C:\Users\rmann\temp\stuff\things\frank\joe> cd ..

PS C:\Users\rmann\temp\stuff\things\frank> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank

PS C:\Users\rmann\temp\stuff\things\frank> cd ../..

PS C:\Users\rmann\temp\stuff> cd ..

PS C:\Users\rmann\temp> cd ..

PS C:\Users\rmann> cd temp/stuff/things/frank/joe/alex/john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> cd ../../../../../../../

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> cd temp/stuff/things/frank/joe

PS C:\Users\rmann\temp\stuff\things\frank\joe> pwd

Path

----

C:\Users\rmann\temp\stuff\things\frank\joe

PS C:\Users\rmann\temp\stuff\things\frank\joe> cd ../../../../

PS C:\Users\rmann\temp> pwd

Path

----

C:\Users\rmann\temp

PS C:\Users\rmann\temp> cd ..

PS C:\Users\rmann> cd Documents

PS C:\Users\rmann\Documents> pwd

Path

----

C:\Users\rmann\Documents

PS C:\Users\rmann\Documents> cd ..

PS C:\Users\rmann> cd Downloads

PS C:\Users\rmann\Downloads> pwd

Path

----

C:\Users\rmann\Downloads

PS C:\Users\rmann\Downloads> cd ..

PS C:\Users\rmann> cd Music

PS C:\Users\rmann\Music> pwd

Path

----

C:\Users\rmann\Music

PS C:\Users\rmann\Music> cd ..

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> cd temp/"I have Fun"

PS C:\Users\rmann\temp\I have Fun> pwd

Path

----

C:\Users\rmann\temp\I have Fun

PS C:\Users\rmann\temp\I have Fun> cd ../..

PS C:\Users\rmann> cd temp

Exercise 6: List Directory (ls)

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 11:29 AM stuff

PS C:\Users\rmann\temp> cd stuff

PS C:\Users\rmann\temp\stuff> ls

Directory: C:\Users\rmann\temp\stuff

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM things

PS C:\Users\rmann\temp\stuff> cd things

PS C:\Users\rmann\temp\stuff\things> ls

Directory: C:\Users\rmann\temp\stuff\things

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM frank

PS C:\Users\rmann\temp\stuff\things> cd frank

PS C:\Users\rmann\temp\stuff\things\frank> ls

Directory: C:\Users\rmann\temp\stuff\things\frank

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM joe

PS C:\Users\rmann\temp\stuff\things\frank> cd joe

PS C:\Users\rmann\temp\stuff\things\frank\joe> ls

Directory: C:\Users\rmann\temp\stuff\things\frank\joe

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM alex

PS C:\Users\rmann\temp\stuff\things\frank\joe> cd alex

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> ls

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> cd john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> ls

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM arua

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> cd ..

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> ls

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> cd ../../../

PS C:\Users\rmann\temp\stuff\things> ls

Directory: C:\Users\rmann\temp\stuff\things

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM frank

PS C:\Users\rmann\temp\stuff\things> cd ../..

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 11:29 AM stuff

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 11:29 AM stuff

PS C:\Users\rmann\temp> cd stuff

PS C:\Users\rmann\temp\stuff> ls

Directory: C:\Users\rmann\temp\stuff

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM things

PS C:\Users\rmann\temp\stuff> cd things

PS C:\Users\rmann\temp\stuff\things> ls

Directory: C:\Users\rmann\temp\stuff\things

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM frank

PS C:\Users\rmann\temp\stuff\things> cd frank

PS C:\Users\rmann\temp\stuff\things\frank> ls

Directory: C:\Users\rmann\temp\stuff\things\frank

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM joe

PS C:\Users\rmann\temp\stuff\things\frank> cd joe

PS C:\Users\rmann\temp\stuff\things\frank\joe> ls

Directory: C:\Users\rmann\temp\stuff\things\frank\joe

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM alex

PS C:\Users\rmann\temp\stuff\things\frank\joe> cd alex

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> ls

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> cd john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> ls

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM arua

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> cd ..

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> ls

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> cd ..

PS C:\Users\rmann\temp\stuff\things\frank\joe> ls

Directory: C:\Users\rmann\temp\stuff\things\frank\joe

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM alex

PS C:\Users\rmann\temp\stuff\things\frank\joe> cd ../../..

PS C:\Users\rmann\temp\stuff> ls

Directory: C:\Users\rmann\temp\stuff

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM things

PS C:\Users\rmann\temp\stuff> cd ..

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 11:29 AM stuff

PS C:\Users\rmann\temp> dir -R

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 11:29 AM stuff

Directory: C:\Users\rmann\temp\I Have Fun

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM things

Directory: C:\Users\rmann\temp\I Have Fun\things

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM frank

Directory: C:\Users\rmann\temp\I Have Fun\things\frank

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM joe

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM alex

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM john

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM arua

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM koboko

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM nebbi

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM moyo

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM gulu

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM masindi

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM kasese

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM masaka

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM mbale

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM kumi

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM wakiso

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi\wakiso

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM kabale

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi\wakiso\kabale

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM moroto

Directory: C:\Users\rmann\temp\I Have Fun\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi\wakiso\kabale\moroto

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM congo

Directory: C:\Users\rmann\temp\staff

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:16 AM things

Directory: C:\Users\rmann\temp\staff\things

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:16 AM frank

Directory: C:\Users\rmann\temp\staff\things\frank

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:16 AM joe

Directory: C:\Users\rmann\temp\staff\things\frank\joe

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:16 AM alex

Directory: C:\Users\rmann\temp\staff\things\frank\joe\alex

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:16 AM john

Directory: C:\Users\rmann\temp\stuff

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM things

Directory: C:\Users\rmann\temp\stuff\things

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM frank

Directory: C:\Users\rmann\temp\stuff\things\frank

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM joe

Directory: C:\Users\rmann\temp\stuff\things\frank\joe

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM alex

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM john

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM arua

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM koboko

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM nebbi

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM moyo

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM gulu

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM masindi

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:40 AM kasese

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:41 AM masaka

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:41 AM mbale

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:41 AM kumi

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:41 AM wakiso

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi\wakiso

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:43 AM kabale

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi\wakiso\kabale

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:43 AM moroto

Directory: C:\Users\rmann\temp\stuff\things\frank\joe\alex\john\arua\koboko\nebbi\moyo\gulu\masindi\kasese\masaka\mbale\kumi\wakiso\kabale\moroto

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:43 AM congo

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 11:29 AM stuff

PS C:\Users\rmann\temp> pwd

Path

----

C:\Users\rmann\temp

PS C:\Users\rmann\temp> cd ..

PS C:\Users\rmann> cd Downloads

PS C:\Users\rmann\Downloads> ls

Directory: C:\Users\rmann\Downloads

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 12/7/2018 2:30 PM MobaXterm\_Portable\_v10.9

-a---- 1/2/2019 7:49 AM 112397 CCPage-LZM1JZ.pdf

-a---- 10/22/2018 4:36 PM 27272529 MobaXterm\_Portable\_v10.9.zip

PS C:\Users\rmann\Downloads> cd ..

PS C:\Users\rmann> cd Music

PS C:\Users\rmann\Music> ls

PS C:\Users\rmann\Music> cd ..

PS C:\Users\rmann> cd OneDrive

PS C:\Users\rmann\OneDrive> ls

Directory: C:\Users\rmann\OneDrive

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----l 10/7/2018 12:47 AM Attachments

d-r--l 1/9/2019 3:12 AM Desktop

d-r--l 1/8/2019 5:50 PM Documents

d----l 10/6/2018 4:03 PM Music

d-r--l 12/24/2018 4:13 PM Pictures

-a---l 9/20/2018 10:36 PM 398083 Getting started with OneDrive.pdf

PS C:\Users\rmann\OneDrive> cd ..

PS C:\Users\rmann> cd Desktop

PS C:\Users\rmann\Desktop> ls

PS C:\Users\rmann\Desktop> cd ..

PS C:\Users\rmann> pwd

Path

----

C:\Users\rmann

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp>

Exercise 7: Remove Directory (rmdir)

PS C:\Users\rmann\temp> cd stuff/things/frank/joe/alex/john

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex\john> cd ..

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> rmdir john

Confirm

The item at C:\Users\rmann\temp\stuff\things\frank\joe\alex\john has children and the Recurse parameter was not specified. If you continue, all children will be removed with the item. Are you sure you want to continue?

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): Y

PS C:\Users\rmann\temp\stuff\things\frank\joe\alex> cd ..

PS C:\Users\rmann\temp\stuff\things\frank\joe> rmdir alex

PS C:\Users\rmann\temp\stuff\things\frank\joe> cd ..

PS C:\Users\rmann\temp\stuff\things\frank> rmdir joe

PS C:\Users\rmann\temp\stuff\things\frank> ls

PS C:\Users\rmann\temp\stuff\things\frank> cd ..

PS C:\Users\rmann\temp\stuff\things> ls

Directory: C:\Users\rmann\temp\stuff\things

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 1:45 PM frank

PS C:\Users\rmann\temp\stuff\things> rmdir frank

PS C:\Users\rmann\temp\stuff\things> cd ..

PS C:\Users\rmann\temp\stuff> ls

Directory: C:\Users\rmann\temp\stuff

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:29 AM things

PS C:\Users\rmann\temp\stuff> rmdir things

PS C:\Users\rmann\temp\stuff> cd ..

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 11:29 AM stuff

PS C:\Users\rmann\temp> rmdir stuff

PS C:\Users\rmann\temp> pwd

Path

----

C:\Users\rmann\temp

PS C:\Users\rmann\temp> cd ..

PS C:\Users\rmann> mkdir africa/eafrica/uganda/kenya/taznaina/rwanda/burundi/drc

Directory: C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:20 PM drc

PS C:\Users\rmann> cd africa/eafrica/uganda/kenya/taznaina/rwanda/burundi/drc

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi\drc> ls

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi\drc> cd ../../../../../../../../

PS C:\Users\rmann> cd africa

PS C:\Users\rmann\africa> ls

Directory: C:\Users\rmann\africa

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:20 PM eafrica

PS C:\Users\rmann\africa> cd eafrica

PS C:\Users\rmann\africa\eafrica> ls

Directory: C:\Users\rmann\africa\eafrica

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:20 PM uganda

PS C:\Users\rmann\africa\eafrica> cd uganda

PS C:\Users\rmann\africa\eafrica\uganda> ls

Directory: C:\Users\rmann\africa\eafrica\uganda

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:20 PM kenya

PS C:\Users\rmann\africa\eafrica\uganda> cd kenya

PS C:\Users\rmann\africa\eafrica\uganda\kenya> ls

Directory: C:\Users\rmann\africa\eafrica\uganda\kenya

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:20 PM taznaina

PS C:\Users\rmann\africa\eafrica\uganda\kenya> cd taznaina

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina> ls

Directory: C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:20 PM rwanda

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina> cd rwanda

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda> ls

Directory: C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:20 PM burundi

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda> cd burundi

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi> ls

Directory: C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:20 PM drc

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi> cd drc

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi\drc> ls

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi\drc> cd ..

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi> rmdir drc

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi> ls

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda\burundi> cd ..

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda> rmdir burundi

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda> ls

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda> pwd

Path

----

C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina\rwanda> cd ..

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina> ls

Directory: C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:25 PM rwanda

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina> rmdir rwanda

PS C:\Users\rmann\africa\eafrica\uganda\kenya\taznaina> cd ..

PS C:\Users\rmann\africa\eafrica\uganda\kenya> pwd

Path

----

C:\Users\rmann\africa\eafrica\uganda\kenya

PS C:\Users\rmann\africa\eafrica\uganda\kenya> rmdir taznaina

PS C:\Users\rmann\africa\eafrica\uganda\kenya> ls

PS C:\Users\rmann\africa\eafrica\uganda\kenya> pwd

Path

----

C:\Users\rmann\africa\eafrica\uganda\kenya

PS C:\Users\rmann\africa\eafrica\uganda\kenya> cd ..

PS C:\Users\rmann\africa\eafrica\uganda> ls

Directory: C:\Users\rmann\africa\eafrica\uganda

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:26 PM kenya

PS C:\Users\rmann\africa\eafrica\uganda> rmdir kenya

PS C:\Users\rmann\africa\eafrica\uganda> ls

PS C:\Users\rmann\africa\eafrica\uganda> pwd

Path

----

C:\Users\rmann\africa\eafrica\uganda

PS C:\Users\rmann\africa\eafrica\uganda> cd ..

PS C:\Users\rmann\africa\eafrica> ls

Directory: C:\Users\rmann\africa\eafrica

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:27 PM uganda

PS C:\Users\rmann\africa\eafrica> rmdir uganda

PS C:\Users\rmann\africa\eafrica> cd ..

PS C:\Users\rmann\africa> ls

Directory: C:\Users\rmann\africa

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:20 PM eafrica

PS C:\Users\rmann\africa> rmdir eafrica

PS C:\Users\rmann\africa> cd ..

PS C:\Users\rmann> ls

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/8/2019 5:52 PM .anaconda

d----- 1/8/2019 12:09 PM .atom

d----- 1/8/2019 9:34 PM .conda

d-r--- 12/24/2018 4:13 PM 3D Objects

d----- 1/8/2019 12:14 PM Able

d----- 1/9/2019 2:20 PM africa

d----- 1/8/2019 5:50 PM Anaconda3

d-r--- 12/24/2018 4:13 PM Contacts

d-r--- 12/24/2018 4:13 PM Desktop

d----- 12/26/2018 3:49 AM Documents

d-r--- 1/8/2019 5:47 PM Downloads

d-r--- 12/24/2018 4:13 PM Favorites

d-r--- 12/24/2018 4:13 PM Links

d-r--- 12/24/2018 4:13 PM Music

dar--l 1/9/2019 3:29 AM OneDrive

d-r--- 12/24/2018 4:13 PM Saved Games

d-r--- 12/24/2018 4:13 PM Searches

d----- 1/9/2019 11:47 AM temp

d-r--- 12/24/2018 4:13 PM Videos

-a---- 1/8/2019 5:53 PM 43 .condarc

-a---- 1/8/2019 5:35 PM 644094168 Anaconda3-2018.12-Windows-x86\_64.exe

-a---- 12/4/2018 5:30 PM 65592 Genome Plot.JPG

-a---- 1/7/2019 7:07 PM 13 new 1.txt

PS C:\Users\rmann> rmdir africa

PS C:\Users\rmann> ls

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/8/2019 5:52 PM .anaconda

d----- 1/8/2019 12:09 PM .atom

d----- 1/8/2019 9:34 PM .conda

d-r--- 12/24/2018 4:13 PM 3D Objects

d----- 1/8/2019 12:14 PM Able

d----- 1/8/2019 5:50 PM Anaconda3

d-r--- 12/24/2018 4:13 PM Contacts

d-r--- 12/24/2018 4:13 PM Desktop

d----- 12/26/2018 3:49 AM Documents

d-r--- 1/8/2019 5:47 PM Downloads

d-r--- 12/24/2018 4:13 PM Favorites

d-r--- 12/24/2018 4:13 PM Links

d-r--- 12/24/2018 4:13 PM Music

dar--l 1/9/2019 3:29 AM OneDrive

d-r--- 12/24/2018 4:13 PM Saved Games

d-r--- 12/24/2018 4:13 PM Searches

d----- 1/9/2019 11:47 AM temp

d-r--- 12/24/2018 4:13 PM Videos

-a---- 1/8/2019 5:53 PM 43 .condarc

-a---- 1/8/2019 5:35 PM 644094168 Anaconda3-2018.12-Windows-x86\_64.exe

-a---- 12/4/2018 5:30 PM 65592 Genome Plot.JPG

-a---- 1/7/2019 7:07 PM 13 new 1.txt

Exercise 8: Moving Around (pushd, popd)

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp> mkdir i/like/icecream

Directory: C:\Users\rmann\temp\i\like

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM icecream

PS C:\Users\rmann\temp> pushd i/like/icecream

PS C:\Users\rmann\temp\i\like\icecream> pwd

Path

----

C:\Users\rmann\temp\i\like\icecream

PS C:\Users\rmann\temp\i\like\icecream> popd

PS C:\Users\rmann\temp> pwd

Path

----

C:\Users\rmann\temp

PS C:\Users\rmann\temp> pushd i/like

PS C:\Users\rmann\temp\i\like> pwd

Path

----

C:\Users\rmann\temp\i\like

PS C:\Users\rmann\temp\i\like> pushd icecream

PS C:\Users\rmann\temp\i\like\icecream> pwd

Path

----

C:\Users\rmann\temp\i\like\icecream

PS C:\Users\rmann\temp\i\like\icecream> popd

PS C:\Users\rmann\temp\i\like> pwd

Path

----

C:\Users\rmann\temp\i\like

PS C:\Users\rmann\temp\i\like> popd

PS C:\Users\rmann\temp> pwd

Path

----

C:\Users\rmann\temp

Exercise 9: Making Empty Files (Touch, New-Item)

PS C:\Users\rmann\temp> New-Item iamcool.txt -type file

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

PS C:\Users\rmann\temp> New-Item icecream

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 3:55 PM 0 icecream

PS C:\Users\rmann\temp> New-Item icecream.txt

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 3:56 PM 0 icecream.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

PS C:\Users\rmann\temp> mkdir trv

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 4:31 PM trv

PS C:\Users\rmann\temp> cd trv

PS C:\Users\rmann\temp\trv> New-Item lamp.txt -type file

Directory: C:\Users\rmann\temp\trv

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 4:32 PM 0 lamp.txt

PS C:\Users\rmann\temp\trv> cd ..

PS C:\Users\rmann\temp> rmdir trv

Confirm

The item at C:\Users\rmann\temp\trv has children and the Recurse parameter was not specified. If you continue, all children will be removed with the item. Are you sure you want to continue?

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): N

PS C:\Users\rmann\temp> ls

Exercise 10: Copy a File (cp)

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

PS C:\Users\rmann\temp> cd

PS C:\Users\rmann\temp> pwd

Path

----

C:\Users\rmann\temp

PS C:\Users\rmann\temp> cp iamcool.txt neat.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

PS C:\Users\rmann\temp> cp neat.txt awesome.txt

PS C:\Users\rmann\temp> cp awesome.txt thefourthfile.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

PS C:\Users\rmann\temp> mkdir something

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 4:37 PM something

PS C:\Users\rmann\temp> cp awesome.txt something/

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

PS C:\Users\rmann\temp> ls something

Directory: C:\Users\rmann\temp\something

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 3:49 PM 0 awesome.txt

PS C:\Users\rmann\temp> cp -r something newplace

PS C:\Users\rmann\temp> ls newplace

Directory: C:\Users\rmann\temp\newplace

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 3:49 PM 0 awesome.txt

PS C:\Users\rmann\temp> ls newplace/

Directory: C:\Users\rmann\temp\newplace

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 3:49 PM 0 awesome.txt

PS C:\Users\rmann\temp> cp iamcool.txt neat.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 4:40 PM newplace

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

PS C:\Users\rmann\temp> cp neat.txt awesome.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 4:40 PM newplace

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

PS C:\Users\rmann\temp> cp awesome.txt thefourthfile.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 4:40 PM newplace

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

PS C:\Users\rmann\temp> mkdir something

mkdir : An item with the specified name C:\Users\rmann\temp\something already exists.

At line:1 char:1

+ mkdir something

+ ~~~~~~~~~~~~~~~

+ CategoryInfo : ResourceExists: (C:\Users\rmann\temp\something:String) [New-Item], IOException

+ FullyQualifiedErrorId : DirectoryExist,Microsoft.PowerShell.Commands.NewItemCommand

PS C:\Users\rmann\temp> cp awesome.txt something/

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 4:40 PM newplace

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

PS C:\Users\rmann\temp> ls something

Directory: C:\Users\rmann\temp\something

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 3:49 PM 0 awesome.txt

PS C:\Users\rmann\temp> cp -recurse something newplace

PS C:\Users\rmann\temp> ls newplace

Directory: C:\Users\rmann\temp\newplace

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 4:48 PM something

-a---- 1/9/2019 3:49 PM 0 awesome.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 11:47 AM I Have Fun

d----- 1/9/2019 4:48 PM newplace

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

PS C:\Users\rmann\temp> cp -recurse something "I Have Fun"

PS C:\Users\rmann\temp> ls "I Have Fun"

Directory: C:\Users\rmann\temp\I Have Fun

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 6:57 PM something

d----- 1/9/2019 11:47 AM things

PS C:\Users\rmann\temp> cd ..

PS C:\Users\rmann> cd ..

PS C:\Users> cd

PS C:\Users> cd rmann

PS C:\Users\rmann> ls

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/8/2019 5:52 PM .anaconda

d----- 1/8/2019 12:09 PM .atom

d----- 1/8/2019 9:34 PM .conda

d-r--- 12/24/2018 4:13 PM 3D Objects

d----- 1/8/2019 12:14 PM Able

d----- 1/8/2019 5:50 PM Anaconda3

d-r--- 12/24/2018 4:13 PM Contacts

d-r--- 12/24/2018 4:13 PM Desktop

d----- 12/26/2018 3:49 AM Documents

d-r--- 1/8/2019 5:47 PM Downloads

d-r--- 12/24/2018 4:13 PM Favorites

d-r--- 12/24/2018 4:13 PM Links

d-r--- 12/24/2018 4:13 PM Music

dar--l 1/9/2019 3:21 PM OneDrive

d-r--- 12/24/2018 4:13 PM Saved Games

d-r--- 12/24/2018 4:13 PM Searches

d----- 1/9/2019 4:40 PM temp

d-r--- 12/24/2018 4:13 PM Videos

-a---- 1/8/2019 5:53 PM 43 .condarc

-a---- 1/8/2019 5:35 PM 644094168 Anaconda3-2018.12-Windows-x86\_64.exe

-a---- 12/4/2018 5:30 PM 65592 Genome Plot.JPG

-a---- 1/7/2019 7:07 PM 13 new 1.txt

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp> cp awesome.txt ../

PS C:\Users\rmann\temp> cd ..

PS C:\Users\rmann> ls

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/8/2019 5:52 PM .anaconda

d----- 1/8/2019 12:09 PM .atom

d----- 1/8/2019 9:34 PM .conda

d-r--- 12/24/2018 4:13 PM 3D Objects

d----- 1/8/2019 12:14 PM Able

d----- 1/8/2019 5:50 PM Anaconda3

d-r--- 12/24/2018 4:13 PM Contacts

d-r--- 12/24/2018 4:13 PM Desktop

d----- 12/26/2018 3:49 AM Documents

d-r--- 1/8/2019 5:47 PM Downloads

d-r--- 12/24/2018 4:13 PM Favorites

d-r--- 12/24/2018 4:13 PM Links

d-r--- 12/24/2018 4:13 PM Music

dar--l 1/9/2019 3:21 PM OneDrive

d-r--- 12/24/2018 4:13 PM Saved Games

d-r--- 12/24/2018 4:13 PM Searches

d----- 1/9/2019 4:40 PM temp

d-r--- 12/24/2018 4:13 PM Videos

-a---- 1/8/2019 5:53 PM 43 .condarc

-a---- 1/8/2019 5:35 PM 644094168 Anaconda3-2018.12-Windows-x86\_64.exe

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 12/4/2018 5:30 PM 65592 Genome Plot.JPG

-a---- 1/7/2019 7:07 PM 13 new 1.txt

Exercise 11: Moving a File (mv)

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp> mv awesome.txt uncool.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 6:57 PM I Have Fun

d----- 1/9/2019 4:48 PM newplace

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

-a---- 1/9/2019 3:49 PM 0 uncool.txt

PS C:\Users\rmann\temp> mv newplace oldplace

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 6:57 PM I Have Fun

d----- 1/9/2019 4:48 PM oldplace

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

-a---- 1/9/2019 3:49 PM 0 uncool.txt

PS C:\Users\rmann\temp> mv oldplace uncool.txt

mv : Cannot create a file when that file already exists.

At line:1 char:1

+ mv oldplace uncool.txt

+ ~~~~~~~~~~~~~~~~~~~~~~

+ CategoryInfo : WriteError: (C:\Users\rmann\temp\oldplace:DirectoryInfo) [Move-Item], IOException

+ FullyQualifiedErrorId : MoveDirectoryItemIOError,Microsoft.PowerShell.Commands.MoveItemCommand

PS C:\Users\rmann\temp> mv oldplace newplace.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 6:57 PM I Have Fun

d----- 1/9/2019 4:48 PM newplace.txt

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

-a---- 1/9/2019 3:49 PM 0 uncool.txt

PS C:\Users\rmann\temp> cd ..

PS C:\Users\rmann> ls

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/8/2019 5:52 PM .anaconda

d----- 1/9/2019 7:43 PM .atom

d----- 1/8/2019 9:34 PM .conda

d-r--- 12/24/2018 4:13 PM 3D Objects

d----- 1/8/2019 12:14 PM Able

d----- 1/8/2019 5:50 PM Anaconda3

d-r--- 12/24/2018 4:13 PM Contacts

d-r--- 1/9/2019 7:44 PM Desktop

d----- 1/9/2019 7:40 PM Documents

d-r--- 1/8/2019 5:47 PM Downloads

d-r--- 12/24/2018 4:13 PM Favorites

d-r--- 12/24/2018 4:13 PM Links

d-r--- 12/24/2018 4:13 PM Music

dar--l 1/9/2019 3:21 PM OneDrive

d-r--- 12/24/2018 4:13 PM Saved Games

d-r--- 12/24/2018 4:13 PM Searches

d----- 1/9/2019 7:31 PM temp

d-r--- 12/24/2018 4:13 PM Videos

-a---- 1/8/2019 5:53 PM 43 .condarc

-a---- 1/8/2019 5:35 PM 644094168 Anaconda3-2018.12-Windows-x86\_64.exe

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 12/4/2018 5:30 PM 65592 Genome Plot.JPG

-a---- 1/7/2019 7:07 PM 13 new 1.txt

PS C:\Users\rmann> cd Desktop

PS C:\Users\rmann\Desktop> ls

Directory: C:\Users\rmann\Desktop

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 7:43 PM 197 test.txt

PS C:\Users\rmann\Desktop> cp test.txt temp

PS C:\Users\rmann\Desktop> cd ..

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 6:57 PM I Have Fun

d----- 1/9/2019 4:48 PM newplace.txt

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

-a---- 1/9/2019 3:49 PM 0 uncool.txt

PS C:\Users\rmann\temp> cd ..

PS C:\Users\rmann> cd Desktip

cd : Cannot find path 'C:\Users\rmann\Desktip' because it does not exist.

At line:1 char:1

+ cd Desktip

+ ~~~~~~~~~~

+ CategoryInfo : ObjectNotFound: (C:\Users\rmann\Desktip:String) [Set-Location], ItemNotFoundException

+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.SetLocationCommand

PS C:\Users\rmann> cd Desktop

PS C:\Users\rmann\Desktop> ls

Directory: C:\Users\rmann\Desktop

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 7:43 PM 197 temp

-a---- 1/9/2019 7:43 PM 197 test.txt

PS C:\Users\rmann\Desktop> cp test.txt temp/

cp : The filename, directory name, or volume label syntax is incorrect.

At line:1 char:1

+ cp test.txt temp/

+ ~~~~~~~~~~~~~~~~~

+ CategoryInfo : NotSpecified: (:) [Copy-Item], IOException

+ FullyQualifiedErrorId : System.IO.IOException,Microsoft.PowerShell.Commands.CopyItemCommand

PS C:\Users\rmann\Desktop> cp test.txt ../

PS C:\Users\rmann\Desktop> cd ..

PS C:\Users\rmann> ls

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/8/2019 5:52 PM .anaconda

d----- 1/9/2019 7:43 PM .atom

d----- 1/8/2019 9:34 PM .conda

d-r--- 12/24/2018 4:13 PM 3D Objects

d----- 1/8/2019 12:14 PM Able

d----- 1/8/2019 5:50 PM Anaconda3

d-r--- 12/24/2018 4:13 PM Contacts

d-r--- 1/9/2019 7:46 PM Desktop

d----- 1/9/2019 7:40 PM Documents

d-r--- 1/8/2019 5:47 PM Downloads

d-r--- 12/24/2018 4:13 PM Favorites

d-r--- 12/24/2018 4:13 PM Links

d-r--- 12/24/2018 4:13 PM Music

dar--l 1/9/2019 3:21 PM OneDrive

d-r--- 12/24/2018 4:13 PM Saved Games

d-r--- 12/24/2018 4:13 PM Searches

d----- 1/9/2019 7:31 PM temp

d-r--- 12/24/2018 4:13 PM Videos

-a---- 1/8/2019 5:53 PM 43 .condarc

-a---- 1/8/2019 5:35 PM 644094168 Anaconda3-2018.12-Windows-x86\_64.exe

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 12/4/2018 5:30 PM 65592 Genome Plot.JPG

-a---- 1/7/2019 7:07 PM 13 new 1.txt

-a---- 1/9/2019 7:43 PM 197 test.txt

PS C:\Users\rmann> cp test.txt temp/

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Exercise 12: View a File (less, MORE)

PS C:\Users\rmann\temp> more test.txt

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

PS C:\Users\rmann\temp> more test.txt

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

PS C:\Users\rmann\temp> cd ..

PS C:\Users\rmann> ls

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/8/2019 5:52 PM .anaconda

d----- 1/9/2019 7:43 PM .atom

d----- 1/8/2019 9:34 PM .conda

d-r--- 12/24/2018 4:13 PM 3D Objects

d----- 1/8/2019 12:14 PM Able

d----- 1/8/2019 5:50 PM Anaconda3

d-r--- 12/24/2018 4:13 PM Contacts

d-r--- 1/9/2019 7:46 PM Desktop

d----- 1/9/2019 7:40 PM Documents

d-r--- 1/8/2019 5:47 PM Downloads

d-r--- 12/24/2018 4:13 PM Favorites

d-r--- 12/24/2018 4:13 PM Links

d-r--- 12/24/2018 4:13 PM Music

dar--l 1/9/2019 3:21 PM OneDrive

d-r--- 12/24/2018 4:13 PM Saved Games

d-r--- 12/24/2018 4:13 PM Searches

d----- 1/9/2019 7:56 PM temp

d-r--- 12/24/2018 4:13 PM Videos

-a---- 1/8/2019 5:53 PM 43 .condarc

-a---- 1/8/2019 5:35 PM 644094168 Anaconda3-2018.12-Windows-x86\_64.exe

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 12/4/2018 5:30 PM 65592 Genome Plot.JPG

-a---- 1/7/2019 7:07 PM 13 new 1.txt

-a---- 1/9/2019 7:43 PM 197 test.txt

PS C:\Users\rmann> cd Desktop

PS C:\Users\rmann\Desktop> ls

Directory: C:\Users\rmann\Desktop

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 7:43 PM 197 temp

-a---- 1/9/2019 8:02 PM 788 test.txt

PS C:\Users\rmann\Desktop> cp text.txt ../

cp : Cannot find path 'C:\Users\rmann\Desktop\text.txt' because it does not exist.

At line:1 char:1

+ cp text.txt ../

+ ~~~~~~~~~~~~~~~

+ CategoryInfo : ObjectNotFound: (C:\Users\rmann\Desktop\text.txt:String) [Copy-Item], ItemNotFoundException

+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.CopyItemCommand

PS C:\Users\rmann\Desktop> cp test.txt ../

PS C:\Users\rmann\Desktop> cd ..

PS C:\Users\rmann> ls

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/8/2019 5:52 PM .anaconda

d----- 1/9/2019 7:43 PM .atom

d----- 1/8/2019 9:34 PM .conda

d-r--- 12/24/2018 4:13 PM 3D Objects

d----- 1/8/2019 12:14 PM Able

d----- 1/8/2019 5:50 PM Anaconda3

d-r--- 12/24/2018 4:13 PM Contacts

d-r--- 1/9/2019 7:46 PM Desktop

d----- 1/9/2019 7:40 PM Documents

d-r--- 1/8/2019 5:47 PM Downloads

d-r--- 12/24/2018 4:13 PM Favorites

d-r--- 12/24/2018 4:13 PM Links

d-r--- 12/24/2018 4:13 PM Music

dar--l 1/9/2019 3:21 PM OneDrive

d-r--- 12/24/2018 4:13 PM Saved Games

d-r--- 12/24/2018 4:13 PM Searches

d----- 1/9/2019 7:56 PM temp

d-r--- 12/24/2018 4:13 PM Videos

-a---- 1/8/2019 5:53 PM 43 .condarc

-a---- 1/8/2019 5:35 PM 644094168 Anaconda3-2018.12-Windows-x86\_64.exe

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 12/4/2018 5:30 PM 65592 Genome Plot.JPG

-a---- 1/7/2019 7:07 PM 13 new 1.txt

-a---- 1/9/2019 8:02 PM 788 test.txt

PS C:\Users\rmann> cp test.txt temp/

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 6:57 PM I Have Fun

d----- 1/9/2019 4:48 PM newplace.txt

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 8:02 PM 788 test.txt

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

-a---- 1/9/2019 3:49 PM 0 uncool.txt

PS C:\Users\rmann\temp> more test.txt

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

PS C:\Users\rmann\temp> cd ..

PS C:\Users\rmann> ls

Directory: C:\Users\rmann

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/8/2019 5:52 PM .anaconda

d----- 1/9/2019 7:43 PM .atom

d----- 1/8/2019 9:34 PM .conda

d-r--- 12/24/2018 4:13 PM 3D Objects

d----- 1/8/2019 12:14 PM Able

d----- 1/8/2019 5:50 PM Anaconda3

d-r--- 12/24/2018 4:13 PM Contacts

d-r--- 1/9/2019 8:07 PM Desktop

d----- 1/9/2019 7:40 PM Documents

d-r--- 1/8/2019 5:47 PM Downloads

d-r--- 12/24/2018 4:13 PM Favorites

d-r--- 12/24/2018 4:13 PM Links

d-r--- 12/24/2018 4:13 PM Music

dar--l 1/9/2019 3:21 PM OneDrive

d-r--- 12/24/2018 4:13 PM Saved Games

d-r--- 12/24/2018 4:13 PM Searches

d----- 1/9/2019 7:56 PM temp

d-r--- 12/24/2018 4:13 PM Videos

-a---- 1/8/2019 5:53 PM 43 .condarc

-a---- 1/8/2019 5:35 PM 644094168 Anaconda3-2018.12-Windows-x86\_64.exe

-a---- 1/9/2019 3:49 PM 0 awesome.txt

-a---- 12/4/2018 5:30 PM 65592 Genome Plot.JPG

-a---- 1/7/2019 7:07 PM 13 new 1.txt

-a---- 1/9/2019 8:02 PM 788 test.txt

PS C:\Users\rmann> cd Desktop

PS C:\Users\rmann\Desktop> ls

Directory: C:\Users\rmann\Desktop

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 7:43 PM 197 temp

-a---- 1/9/2019 8:02 PM 788 test.txt

-a---- 1/9/2019 8:07 PM 1576 test2.text

PS C:\Users\rmann\Desktop> cp test2.txt ../

cp : Cannot find path 'C:\Users\rmann\Desktop\test2.txt' because it does not exist.

At line:1 char:1

+ cp test2.txt ../

+ ~~~~~~~~~~~~~~~~

+ CategoryInfo : ObjectNotFound: (C:\Users\rmann\Desktop\test2.txt:String) [Copy-Item], ItemNotFoundException

+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.CopyItemCommand

PS C:\Users\rmann\Desktop> cp test2.text ../

PS C:\Users\rmann\Desktop> ls

Directory: C:\Users\rmann\Desktop

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 1/9/2019 7:43 PM 197 temp

-a---- 1/9/2019 8:02 PM 788 test.txt

-a---- 1/9/2019 8:07 PM 1576 test2.text

PS C:\Users\rmann\Desktop> cd ..

PS C:\Users\rmann> cp test2.text temp

PS C:\Users\rmann> cd temp

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 6:57 PM I Have Fun

d----- 1/9/2019 4:48 PM newplace.txt

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 8:02 PM 788 test.txt

-a---- 1/9/2019 8:07 PM 1576 test2.text

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

-a---- 1/9/2019 3:49 PM 0 uncool.txt

PS C:\Users\rmann\temp> more test2.text

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

PS C:\Users\rmann\temp>

Exercise 13: Stream a File (cat)

PS C:\Users\rmann\temp> cat test2.text

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

print("Hello World!")

print("Hello Again")

print("I like tying this.")

print("This is fun.")

print('Yay! Printing.')

print("I'd much rather you 'not'.")

print("I "said" do not touch this.')

PS C:\Users\rmann\temp>

Exercise 14: Removing a File (rm)

PS C:\Users\rmann\temp> pwd

Path

----

C:\Users\rmann\temp

PS C:\Users\rmann\temp> rm uncool.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 6:57 PM I Have Fun

d----- 1/9/2019 4:48 PM newplace.txt

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:49 PM 0 iamcool.txt

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 3:49 PM 0 neat.txt

-a---- 1/9/2019 8:02 PM 788 test.txt

-a---- 1/9/2019 8:07 PM 1576 test2.text

-a---- 1/9/2019 3:49 PM 0 thefourthfile.txt

PS C:\Users\rmann\temp> rm iamcool.txt

PS C:\Users\rmann\temp> rm neat.txt

PS C:\Users\rmann\temp> rm thefourthfile.txt

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 6:57 PM I Have Fun

d----- 1/9/2019 4:48 PM newplace.txt

d----- 1/9/2019 4:38 PM something

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 8:02 PM 788 test.txt

-a---- 1/9/2019 8:07 PM 1576 test2.text

PS C:\Users\rmann\temp> cp -r something newplace

PS C:\Users\rmann\temp> rm something/awesome.txt

PS C:\Users\rmann\temp> rmdir something

PS C:\Users\rmann\temp> rm -r newplace

PS C:\Users\rmann\temp> ls

Directory: C:\Users\rmann\temp

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 1/9/2019 2:42 PM i

d----- 1/9/2019 6:57 PM I Have Fun

d----- 1/9/2019 4:48 PM newplace.txt

d----- 1/9/2019 11:14 AM staff

d----- 1/9/2019 4:32 PM trv

-a---- 1/9/2019 3:55 PM 0 icecream

-a---- 1/9/2019 3:56 PM 0 icecream.txt

-a---- 1/9/2019 8:02 PM 788 test.txt

-a---- 1/9/2019 8:07 PM 1576 test2.text

PS C:\Users\rmann\temp> rm i

Confirm

The item at C:\Users\rmann\temp\i has children and the Recurse parameter was not specified. If you continue, all children will be removed with the item. Are you sure you want to continue?

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): Y

PS C:\Users\rmann\temp> rm "I Have Fun"

Confirm

The item at C:\Users\rmann\temp\I Have Fun has children and the Recurse parameter was not specified. If you continue, all children will be removed with the item. Are you sure you want to continue?

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): Y

PS C:\Users\rmann\temp> rm staff

Confirm

The item at C:\Users\rmann\temp\staff has children and the Recurse parameter was not specified. If you continue, all children will be removed with the item. Are you sure you want to continue?

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): Y

PS C:\Users\rmann\temp> rm newplace.txt

Confirm

The item at C:\Users\rmann\temp\newplace.txt has children and the Recurse parameter was not specified. If you continue, all children will be removed with the item. Are you sure you want to continue?

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): Y

PS C:\Users\rmann\temp> rm trv

Confirm

The item at C:\Users\rmann\temp\trv has children and the Recurse parameter was not specified. If you continue, all children will be removed with the item. Are you sure you want to continue?

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): Y

PS C:\Users\rmann\temp> rm icecream

PS C:\Users\rmann\temp> rm test.txt

PS C:\Users\rmann\temp> rm test2.text

PS C:\Users\rmann\temp> rm icecream

Exercise 15: Exiting Your Terminal (exit)