

Practice Quiz: Python Subprocesses

TOTAL POINTS 5

1. What type of object does a run function return?

1 / 1 point

- ☒ CompletedProcess
- ☐ returncode
- ☐ stdout
- ☐ capture_output



Correct

Awesome! This object includes information related to the execution of a command.

2. How can you change the current working directory where a command will be executed?

1 / 1 point

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1 / 1 point

- ☐ Use the shell parameter.
- ☒ Use the cwd parameter.
- ☐ Use the capture_output parameter.
- ☐ Use the env parameter.



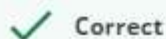
Correct

Right on! This will change the current working directory where the command will be executed.

3. When a child process is run using the subprocess module, which of the following are true? (check all that apply)

1 / 1 point

- ☒ The child process is run in a secondary environment.



Correct

Nice work! To run the external command, a secondary environment is created for the child subprocess, where the command is executed.

☒ The parent process is blocked while the child process finishes.

✓ **Correct**

Excellent! While the parent process is waiting on the subprocess to finish, it's blocked, meaning the parent can't do any work until the child finishes.

☐ The parent process and child process both run simultaneously.

☒ Control is returned to the parent process when the child process ends.

✓ **Correct**

Right on! After the external command completes its work, the child process exits, and the flow of control returns to the parent.

4. When using the run command of the subprocess module, what parameter, when set to True, allows us to store the output of a system command?

☐ cwd

1 / 1 point

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1 / 1 point

- ☐ cwd
- ☒ capture_output
- ☐ timeout
- ☐ shell



Correct

Excellent! The capture_output parameter allows us to get and store the output of the system command we're using.

5. What does the copy method of os.environ do?

1 / 1 point

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1 / 1 point

- ☒ Creates a new dictionary of environment variables
- ☐ Runs a second instance of an environment
- ☐ Joins two strings
- ☐ Removes a file from a directory

✓ **Correct**

Nice work! The copy method of os.environ makes a new copy of the dictionary containing the environment variables, making modification easier.