✓ Congratulations! You passed!

Grade received 100% **To pass** 80% or higher

Go to next item

---

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

1 / 1 point

- ⦿ CompletedProcess
- ○ capture_output
- ○ stdout
- ○ returncode

✓ **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

- ○ Use the capture_output parameter.
- ○ Use the env parameter.
- ○ Use the shell parameter.
- ⦿ Use the cwd 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?

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

- ⦿ 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.

Creates a new dictionary of environment variables

Runs a second instance of an environment

Joins two strings

Removes a file from a directory