

- **errors** (*str, optional*) – The error handling strategy for decoding errors, see `io.open()`.
- **newline** (*str, optional*) – The strategy for handling newlines in text mode, see `io.open()`.
- **total** (*int, optional*) – Total number of bytes to read. If none given, `os.stat(path).st_size` is used.
- **task_id** (*TaskID*) – Task to track. Default is new task.
- **description** (*str, optional*) – Description of task, if new task is created.

Returns

A readable file-like object in binary mode.

Return type

`BinaryIO`

Raises

`ValueError` – When an invalid mode is given.

refresh()

Refresh (render) the progress information.

Return type

`None`

remove_task(task_id)

Delete a task if it exists.

Parameters

task_id (*TaskID*) – A task ID.

Return type

`None`

reset(task_id, *, start=True, total=None, completed=0, visible=None, description=None, **fields)

Reset a task so completed is 0 and the clock is reset.

Parameters

- **task_id** (*TaskID*) – ID of task.
- **start** (*bool, optional*) – Start the task after reset. Defaults to True.
- **total** (*float, optional*) – New total steps in task, or None to use current total. Defaults to None.
- **completed** (*int, optional*) – Number of steps completed. Defaults to 0.
- **visible** (*bool, optional*) – Enable display of the task. Defaults to True.
- **description** (*str, optional*) – Change task description if not None. Defaults to None.
- ****fields** (*str*) – Additional data fields required for rendering.

Return type

`None`

start()

Start the progress display.

Return type

`None`