

update(*task_id*, *, *total=None*, *completed=None*, *advance=None*, *description=None*, *visible=None*, *refresh=False*, ***fields*)

Update information associated with a task.

Parameters

- **task_id** (*TaskID*) – Task id (returned by `add_task`).
- **total** (*float*, *optional*) – Updates `task.total` if not `None`.
- **completed** (*float*, *optional*) – Updates `task.completed` if not `None`.
- **advance** (*float*, *optional*) – Add a value to `task.completed` if not `None`.
- **description** (*str*, *optional*) – Change task description if not `None`.
- **visible** (*bool*, *optional*) – Set visible flag if not `None`.
- **refresh** (*bool*) – Force a refresh of progress information. Default is `False`.
- ****fields** (*Any*) – Additional data fields required for rendering.

Return type

`None`

wrap_file(*file*, *total=None*, *, *task_id=None*, *description='Reading...'*)

Track progress file reading from a binary file.

Parameters

- **file** (*BinaryIO*) – A file-like object opened in binary mode.
- **total** (*int*, *optional*) – Total number of bytes to read. This must be provided unless a task with a total is also given.
- **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 no total value can be extracted from the arguments or the task.

class `rich.progress.ProgressColumn`(*table_column=None*)

Base class for a widget to use in progress display.

Parameters

table_column (*Optional[Column]*)

get_table_column()

Get a table column, used to build tasks table.

Return type

`Column`

abstractmethod **render**(*task*)

Should return a renderable object.

Parameters

task (*Task*)