1. Before discussing attached and detached modes, there is one more term which is interactive mode. There is difference b/w them.
   1. No matter, it is attached or detached mode, a user can’t interact with the app through the console but in attached mode, log can be seen being printed on the screen as command prompt is listening to the container’s process.   
      But if we want to run container to interact, then it needs to be run in interactive mode and obviously the first condition is that it should run in attached mode.

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| Modes |  |
| Attached | **Detached** |
| If it is run command and the containerized app is still running, the command prompt will not return until the process in the container is done. | **If it is start command, no matter if process is running or not, the command prompt will return immediately.** |
| By default, run command is executed in attached mode | **By default, in detached mode.** |
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| We can run an image in detached mode by adding option -d | **If the container was run in detached mode, and you want to attach command prompt, run the command 🡺  docker attach <container\_ID\_Or\_Name>  Or if you want to run start already existing container in attached mode, then** |

1. Commands
   1. docker attach <container\_id\_or\_container\_name>
   2. docker log: To print log of your app till now.
      1. option:
         1. -f : means follow
            1. It will print the future log too.
   3. docker start:
      1. option:
         1. -a: To start already existing container in attached mode as we know by default start command starts container in detached mode.