Basic Docker Commands

1. **docker [*command*]**: Lists all available Docker commands or the usage of a command
2. **docker [command]** -- help: Help and usage on any docker command
3. **docker version**: Docker client and server versions
4. **docker info**: Docker client and server system-wide information dump
5. **docker login [OPTIONS] [SERVER] [flags]**: Log into a docker registry
6. **docker pull [*image*]**: Pull an image from a registry
7. **docker ps**: List running containers. To list all containers, running or stopped, use -a option.
8. **docker image [*command*]**: Manage images
   a. **build**: Build an image from Dockerfile
   b. **history**: Show history of an image
   c. **inspect**: Display detailed image information
   d. **ls**: List images
   e. **prune**: Remove unused images
   f. **push**: Push an image to a registry
   g. **pull**: Pull an image from a registry
   h. **tag**: Assign a tag to an image
9. **docker container [*command*]**: Manage containers
   a. **attach**: Attach local standard input, output, and error streams to a running container
   b. **commit**: Create a new image from a container's changes
   c. **cp**: Copy files/folders between a container and the local filesystem
   d. **create**: Create a new container
   e. **diff**: Inspect changes to files or directories on a container's filesystem
   f. **exec**: Run a command in a running container
   g. **inspect**: Display detailed information on one or more containers
   h. **kill**: Kill one or more running containers
   i. **logs**: Get the logs of a container
   j. **ls**: List containers
   k. **prune**: Remove all stopped containers
   l. **restart**: Restart one or more containers
   m. **rm**: Remove one or more containers
   n. **run**: Run a command in a new container
   o. **start**: Start one or more stopped containers

         p. **stop**: Stop one or more running containers

         q. **top**: Display the running processes of a container

10. **docker build [*options*] [*path to Dockerfile*]**: Build an image from a Dockerfile

11. **docker compose [*options*] [*command*]**: Manage a set of related services

         a. **build**: Build or rebuild services

         b. **cp**: Copy files/folders between a service container and the local filesystem

         c. **create**: Creates containers for a service

         d. **down**: Stop and remove containers, networks

         e. **images**: List images used by the created containers

         f. **kill**: Force stop service containers

         g. **logs**: View output from containers

         h. **ls**: List running compose projects

         i. **ps**: List containers

         j. **push**: Push service images

         k. **pull**: Pull service images

         l. **rm**: Removes stopped service containers

         a. **run**: Run a one-off command on a service

         b. **start**: Start services

         c. **stop**: Stop services

         d. **restart**: Restart containers

         e. **top**: Display the running processes

         f. **up**: Create and start containers