**Lab 3 – Virtualization**

1. After executing the command docker pulls the `hello-world` image from docker-hub, creates a container based on the image and then executes it. After executing `hello-world` as there is no persistent command the command exits and the container exits.
2. The command gets the list of containers that are running and shows it in a table, it includes its container id, image name, time created, status, ports.
3. This command shows all the docker containers even the closed ones in a similar list as above.
4. This command lists the images cached/pulled to create containers. The image tag associated with my hello-world container is ‘feb5d9fea6a5’.
5. In the command the 18.04 represents the image version of the docker-image. In case of ubuntu container images the docker-image versions correspond to the ubuntu release versions.
6. The images currently in cache are nginx:latest, ubuntu:18.04, hello-world:latest, ubuntu 19.04. It also shows the tag, image id, time created and size of the image.
7. The image ubuntu:18.04 was created at ‘2023-01-02T18:48:56.081327405Z’
8. The image ubuntu:19.04 was created at ‘2020-01-16T01:20:46.938732934Z’
9. After inspecting the images, we can conclude the following: -
   1. They have different repo tags
   2. They have different “DockerVersion”
   3. Both have no ports exposed
   4. Size of the ubuntu 19.04 is larger compared to 18.04
10. After running the container (ubuntu:18.04) the image started