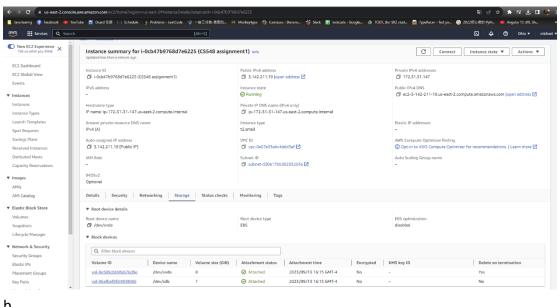
Assignment 1

I-Hsuan Hu

a.



b.

```
Last login: Wed Sep 13 20:23:06 2023 from 71.104.22.185
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-31-147 ~]$ fdisk -1
fdisk: cannot open /dev/xwda: Permission denied
fdisk: cannot open /dev/xwdb: Permission denied
[ec2-user@ip-172-31-31-147 ~]$ sudo fdisk -1
bisk /dev/xwda: 8 G1B, 8589934592 bytes, 16777216 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: gpt
Disk identifier: 12DB3344-83FA-4BD1-B32F-DF214C0C9A96
 Device Start End Sectors Size Type
/dev/xvda1 4096 16777182 16773087 8G Linux filesystem
/dev/xvda128 2048 4095 2048 1M BIOS boot
Partition table entries are not in disk order.
Disk /dev/xvdb: 1 GiB, 1073741824 bytes, 2097152 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
1/0 size (mininum/optimal): 512 bytes / 512 bytes
[ec2-user@ip-172-31-31-147 ~]$
```

The output of the application container:

```
"ld": "b70af771281b62e4a4bf4c62ceeb7489bf18a10df96830c37b4951c44a4fc756",
"Created": "2023-09-13T20:42:18 7639764027"
"Path": "/bin/sh",
"Args": [
    "entrypoint.sh",
    "--contextroot",
    "chat",
    "--deploy",
    "/opt/payara/deployments/chat-webapp.war"
],
"State": {
```

```
"Status": "running",
                                 "Running": true,
                                 "Paused": false,
                                 "Restarting": false,
                                 "OOMKilled": false,
                                 "Dead": false,
                                 "Pid": 3567,
                                 "ExitCode": 0,
                                 "Error": "",
                                 "StartedAt": "2023-09-15T18:44:37.634055475Z",
                                 "FinishedAt": "2023-09-15T18:36:58.518513982Z"
                     },
                      "Image": "sha256:6daece129cb948855b6deb61f87c3e05f8924162c05b73fd9c270910c1c2e2ad",
                      "ResolvConfPath":
"/var/lib/docker/containers/b70af771281b62e4a4bf4c62ceeb7489bf18a10df96830c37b4951c44a4fc756/resolv.conf",
                      "HostnamePath": "/var/lib/docker/containers/b70af771281b62e4a4bf4c62ceeb7489bf18a10df96830c37b4951c44a4fc756/hostname",
                      "Hosts Path": "/var/lib/docker/containers/b70af771281b62e4a4bf4c62ceeb7489bf18a10df96830c37b4951c44a4fc756/hosts", and the substitution of the s
                      "LogPath":
"/var/lib/docker/containers/b70af771281b62e4a4bf4c62ceeb7489bf18a10df96830c37b4951c44a4fc756/b70af771281b62e4a4bf4c62ceeb7489b
f18a10df96830c37b4951c44a4fc756-json.log",
                      "Name": "/chat",
                      "RestartCount": 0,
                      "Driver": "overlay2",
                      "Platform": "linux",
                      "MountLabel": "",
                      "ProcessLabel": "",
                      "AppArmorProfile": "",
                      "ExecIDs": null,
                      "HostConfig": {
                                 "Binds": null,
                                 "ContainerIDFile": "",
                                 "LogConfig": {
                                            "Type": "json-file",
                                             "Config": {}
                                 },
                                 "NetworkMode": "cs548-network",
                                 "PortBindings": {
                                            "8080/tcp":[
                                                      {
                                                                  "HostIp": "",
                                                                  "HostPort": "8080"
                                                      }
                                           ],
                                            "8181/tcp":[
                                                      {
                                                                  "Hostlp": "",
                                                                  "HostPort": "8181"
                                 },
                                 "RestartPolicy": {
                                           "Name": "no",
                                            "MaximumRetryCount": 0
                                 "AutoRemove": false,
                                 "VolumeDriver": "",
                                 "Volumes From": null,
                                 "CapAdd": null,
                                 "CapDrop": null,
                                 "CgroupnsMode": "host",
                                 "Dns":[],
                                 "DnsOptions": [],
                                 "DnsSearch": [],
                                 "ExtraHosts": null,
                                 "GroupAdd": null,
                                 "IpcMode": "private",
                                 "Cgroup": "",
                                 "Links": null,
                                 "OomScoreAdj": 0,
```

```
"PidMode": "",
"Privileged": false,
"PublishAllPorts": false,
"ReadonlyRootfs": false,
"SecurityOpt": null,
"UTSMode": "",
"UsernsMode": "",
"ShmSize": 67108864,
"Runtime": "runc",
"ConsoleSize": [
    0,
],
"Isolation": "",
"CpuShares": 0,
"Memory": 0,
"NanoCpus": 0,
"CgroupParent": "",
"BlkioWeight": 0,
"BlkioWeightDevice": [],
"BlkioDeviceReadBps": null,
"BlkioDeviceWriteBps": null,\\
"BlkioDeviceReadIOps": null,
"BlkioDeviceWritelOps": null,
"CpuPeriod": 0,
"CpuQuota": 0,
"CpuRealtimePeriod": 0,
"CpuRealtimeRuntime": 0,
"CpusetCpus": "",
"CpusetMems": "",
"Devices": [],
"DeviceCgroupRules": null,
"DeviceRequests": null,
"KernelMemory": 0,
"KernelMemoryTCP": 0,
"Memory Reservation": 0,\\
"MemorySwap": 0,
"MemorySwappiness": null,
"OomKillDisable": false,
"PidsLimit": null,
"Ulimits": [
    {
          "Name": "nofile",
          "Hard": 65536,
          "Soft": 32768
],
"CpuCount": 0,
"CpuPercent": 0,
"IOMaximumIOps": 0,
"IOMaximumBandwidth": 0,
"MaskedPaths": [
    "/proc/asound",
    "/proc/acpi",
     "/proc/kcore",
     "/proc/keys",
     "/proc/latency_stats",
    "/proc/timer_list",
    "/proc/timer_stats",
     "/proc/sched_debug",
     "/proc/scsi",
     "/sys/firmware"
"ReadonlyPaths": [
     "/proc/bus",
     "/proc/fs",
    "/proc/irq",
    "/proc/sys",
     "/proc/sysrq-trigger"
```

```
}.
                   "GraphDriver": {
                           "Data" · {
                                    "LowerDir": "/var/lib/docker/overlay2/6af31a93467112da62aa06708591a0a044f4318e6718cec6ed897e34804a5428 -
init/diff:/var/lib/docker/overlay2/ab20700e9ff89bb41bdfe6c1e877e6ef83b68a91c4f388833c0e19c4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/diff:/var/lib/docker/overlay2/59231abc4e0ff0319/docker/overlay2/59231abc4e0ff0319/docker/overlay2/59231abc4e0ff0319/docker/overlay2/59231abc4e0ff0319/docker/overlay2/59
db97ffb8625edb8b800406486e11823d165acd45e286cd5cb6385da6e43/diff:/var/lib/docker/overlay2/72537d8adb02e8aded03296bfffbfb13c547
043c5cc3cd86839e158fb0e60616/diff:/var/lib/docker/overlay2/c46a15a547d4958dd0c2c64b83e0c96bd64b30ede6c6aa4bab57801526d97e19/dialorenteed. \\
dcaa8666d8cb74506cebe37e8c299148cb8a6fe71dbfef691a0f06b/diff",
                                    "MergedDir":
"/var/lib/docker/overlay2/6af31a93467112da62aa06708591a0a044f4318e6718cec6ed897e34804a5428/merged",
                                    "UpperDir": "/var/lib/docker/overlay2/6af31a93467112da62aa06708591a0a044f4318e6718cec6ed897e34804a5428/diff",
                                    "WorkDir": "/var/lib/docker/overlay2/6af31a93467112da62aa06708591a0a044f4318e6718cec6ed897e34804a5428/work"
                           "Name": "overlay2"
                  },
                  "Mounts": [],
                  "Config": {
                           "Hostname": "b70af771281b",
                           "Domainname": "",
                           "User": "payara",
                           "AttachStdin": false,
                           "AttachStdout": false,
                           "AttachStderr": false.
                           "ExposedPorts": {
                                    "6900/tcp": {},
                                    "8080/tcp": {},
                                    "8181/tcp": {}
                           },
                           "Tty": false,
                           "OpenStdin": false,
                           "StdinOnce": false,
                           "Env":[
                                    "DATABASE_PASSWORD=0000",
                                    "DATABASE=cs548",
                                    "DATABASE_HOST=cs548db",
                                    "DATABASE_USERNAME=cs548user",
                                    "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",
                                    "LANG=en_US.UTF-8",
                                    "LANGUAGE=en US:en",
                                    "LC_ALL=en_US.UTF-8",
                                    "TZ=Etc/UTC",
                                    "JAVA_HOME=/usr/lib/jvm/zulu17",
                                    "PAYARA_HOME=/opt/payara",
                                    "HOME_DIR=/opt/payara",
                                    "PAYARA_DIR=/opt/payara",
                                    "SCRIPT_DIR=/opt/payara",
                                    "DEPLOY_DIR=/opt/payara/deployments",
                                    "JVM_ARGS=",
                                    "MEM_MAX_RAM_PERCENTAGE=70.0",
                                    "MEM_XSS=512k"
                          ],
                           "Cmd":[
                                    "--contextroot",
                                    "chat",
                                    "--deploy",
                                    "/opt/payara/deployments/chat-webapp.war"
                           ],
                           "Image": "cs548/chat",
                           "Volumes": null,
                           "WorkingDir": "/opt/payara",
                           "Entrypoint":[
                                    "/bin/sh".
                                     "entrypoint.sh"
                           "OnBuild": null,
                           "Labels": {}
                  },
```

```
"Bridge": "",
               "SandboxID": "5aa7f5fcc3670efaf945b67b558080a7431e123b6124416a0a4516265cc0773e",
               "HairpinMode": false,
               "LinkLocalIPv6Address": "",
               "LinkLocalIPv6PrefixLen": 0,
               "Ports": {
                   "6900/tcp": null,
                   "8080/tcp":[
                        {
                              "Hostlp": "0.0.0.0",
                             "HostPort": "8080"
                        },
                        {
                             "HostIp": "::",
                             "HostPort": "8080"
                        }
                   ],
                   "8181/tcp":[
                        {
                              "HostIp": "0.0.0.0",
                             "HostPort": "8181"
                        },
                             "HostIp": "::",
                             "HostPort": "8181"
                        }
                   ]
              },
               "SandboxKey": "/var/run/docker/netns/5aa7f5fcc367",
               "SecondaryIPAddresses": null,
               "SecondaryIPv6Addresses": null,
               "EndpointID": "",
               "Gateway": "",
               "GlobalIPv6Address": "",
               "GlobalIPv6PrefixLen": 0,
               "IPAddress": "",
               "IPPrefixLen": 0,
               "IPv6Gateway": "",
               "MacAddress": "",
               "Networks": {
                    "cs548-network": {
                        "IPAMConfig": null,
                        "Links": null,
                        "Aliases": [
                             "b70af771281b"
                        "NetworkID": "32c83e0e9194f3115365ddb92c4b1c18cae4f04b296ed18e4a738e2be1757471",
                        "EndpointID": "70e19e8fce23b4e111d9920ceb5189032cc00dd6795abc54746c7a84bf24dca1",
                         "Gateway": "172.18.0.1",
                         "IPAddress": "172.18.0.2",
                         "IPPrefixLen": 16,
                        "IPv6Gateway": "",
                        "GlobalIPv6Address": "",
                         "GlobalIPv6PrefixLen": 0,
                         "MacAddress": "02:42:ac:12:00:02",
                         "DriverOpts": null
             }
         }
    }
The output of the database container:
          "ld": "2a98dbad48c77e8dd694af58f39871e8bc31c63ef56a3889e54f6e5ffaab8de6",
```

"Created": "2023-09-13T20:27:54.385103227Z",

 $"Network Settings": \{$

```
"Path": "docker-entrypoint.sh",
                                             "Args": [
                                                                   "postgres"
                                            1.
                                              "State": {
                                                                    "Status": "running",
                                                                   "Running": true,
                                                                   "Paused": false,
                                                                    "Restarting": false,
                                                                    "OOMKilled": false,
                                                                    "Dead": false,
                                                                    "Pid": 3578,
                                                                    "ExitCode": 0,
                                                                     "Error": "",
                                                                     "StartedAt": "2023-09-15T18:44:37.652074072Z",
                                                                     "FinishedAt": "2023-09-15T18:36:57.796574332Z"
                                             "Image": "sha256:69e765e8cdbefcc310a57c0d5344bd0db05b182e9807b473c1deb8f424066084",
                                             "ResolvConfPath":
"/var/lib/docker/containers/2a98dbad48c77e8dd694af58f39871e8bc31c63ef56a3889e54f6e5ffaab8de6/resolv.conf", the substitution of the properties of the prope
                                             "HostnamePath": "/var/lib/docker/containers/2a98dbad48c77e8dd694af58f39871e8bc31c63ef56a3889e54f6e5ffaab8de6/hostname", and the state of the state
                                             "HostsPath": "/var/lib/docker/containers/2a98dbad48c77e8dd694af58f39871e8bc31c63ef56a3889e54f6e5ffaab8de6/hosts", and the substitution of the su
                                             "LogPath":
"/var/lib/docker/containers/2a98dbad48c77e8dd694af58f39871e8bc31c63ef56a3889e54f6e5ffaab8de6/2a98dbad48c77e8dd694af58f39871e8b
c31c63ef56a3889e54f6e5ffaab8de6-json.log",
                                             "Name": "/cs548db",
                                             "RestartCount": 0.
                                             "Driver": "overlay2",
                                             "Platform": "linux",
                                             "MountLabel": "",
                                             "ProcessLabel": "",
                                             "AppArmorProfile": "",
                                             "ExecIDs": null,
                                             "HostConfig": {
                                                                    "Binds":[
                                                                                         "/data:/var/lib/postgresql/data"
                                                                   1,
                                                                     "ContainerIDFile": "",
                                                                     "LogConfig": {
                                                                                           "Type": "json-file",
                                                                                            "Config": {}
                                                                    },
                                                                     "NetworkMode": "cs548-network",
                                                                     "PortBindings": {
                                                                                         "5432/tcp":[
                                                                                                              {
                                                                                                                                         "Hostlp": "",
                                                                                                                                        "HostPort": "5432"
                                                                                         ]
                                                                    },
                                                                     "RestartPolicy": {
                                                                                         "Name": "no",
                                                                                         "MaximumRetryCount": 0
                                                                    },
                                                                     "AutoRemove": false,
                                                                     "VolumeDriver": "",
                                                                     "Volumes From": null,
                                                                     "CapAdd": null,
                                                                     "CapDrop": null,
                                                                     "CgroupnsMode": "host",
                                                                     "Dns": [],
                                                                    "DnsOptions": [],
                                                                     "DnsSearch": [],
                                                                     "ExtraHosts": null,
                                                                     "GroupAdd": null,
                                                                     "IpcMode": "private",
                                                                     "Cgroup": "",
                                                                     "Links": null,
```

```
"OomScoreAdj": 0,
"PidMode": "",
"Privileged": false,
"PublishAllPorts": false,
"ReadonlyRootfs": false,
"SecurityOpt": null,
"UTSMode": "",
"UsernsMode": "",
"ShmSize": 67108864,
"Runtime": "runc",
"ConsoleSize": [
     0,
     0
],
"Isolation": "",
"CpuShares": 0,
"Memory": 0,
"NanoCpus": 0,
"CgroupParent": "",
"BlkioWeight": 0,
"BlkioWeightDevice": [],
"BlkioDeviceReadBps": null,\\
"BlkioDeviceWriteBps": null,
"BlkioDeviceReadIOps": null,
"BlkioDeviceWritelOps": null,
"CpuPeriod": 0,
"CpuQuota": 0,
"CpuRealtimePeriod": 0,
"CpuRealtimeRuntime": 0,
"CpusetCpus": "",
"CpusetMems": "",
"Devices":[],
"DeviceCgroupRules": null,
"DeviceRequests": null,
"KernelMemory": 0,
"KernelMemoryTCP": 0,
"MemoryReservation": 0,
"MemorySwap": 0,
"MemorySwappiness": null,
"OomKillDisable": false,
"PidsLimit": null,
"Ulimits":[
    {
          "Name": "nofile",
          "Hard": 65536,
          "Soft": 32768
],
"CpuCount": 0,
"CpuPercent": 0,
"IOMaximumlOps": 0,
"IOMaximumBandwidth": 0,
"MaskedPaths": [
     "/proc/asound",
     "/proc/acpi",
     "/proc/kcore",
     "/proc/keys",
     "/proc/latency_stats",
     "/proc/timer_list",
     "/proc/timer_stats",
     "/proc/sched_debug",
     "/proc/scsi",
     "/sys/firmware"
"ReadonlyPaths": [
     "/proc/bus",
     "/proc/fs",
     "/proc/irq",
     "/proc/sys",
```

```
"/proc/sysrq-trigger"
     1
},
"GraphDriver": {
      "Data": {
```

"Lower Dir": "/var/lib/docker/overlay2/d5e82 fefc 9468 f614 c14 f82243010 f7 ca 09 fb8 d94613 d76 be 23 c93 a7257 c2804-100 february from the control of t726 ceef 1b f 99857684 a e 3 d 7020381 b 94182 c 7 c d 1f8218 d 7 b 18624 c a 5 d f 15 c / d iff:/var/lib/docker/overlay 2/a 4 d 5 2 d 942 e b 2971 d 2 e 239 c e 3 f 0 a a f e 0 338 a 24 e b 2 e 2 d 942 e3a9e3963625dc57d8439e446da8b8/diff:/var/lib/docker/overlay2/57b993d59fec1006f30f959f04addb2dedfed19332e8198f05c35a76bf6c7dd0/differentiation of the control of the controf:/var/lib/docker/overlay 2/483 dbfc 8b84 ad 6e97 de 66ef 27b29589 bd5 d740 fb42 c0d944 ef aeb74 dff1 c20b7/diff:/var/lib/docker/overlay 2/812880995 d740 fb42 c0d944 ef aeb74 dff1 c20b7/diff:/var/lib/docker/overlay 2/81288090 d740 fb42 c0d94 ef aeb74 dff1 c20b7/diff:/var/lib/docker/overlay 2/812880 d740 fb42 c0d94 ef aeb74 dff1 c20b7/diff:/var/lib/docker/overlay 2/812880 d740 fb42 c0d94 ef aeb74 dff1 c20b7/diff:/var/lib/docker/overlay 2/812880 d740 fb42 c0d94 ef aeb74 ef aeb7454aca56e2da325eaa3a1d374e4a748da4f091ae286db01df9f2fe90/diff:/var/lib/docker/overlay2/7a8f99d42e04b76a1681913c0d7f0e0d905b84ab/lib/docker/overlav2/0c56c28089e92b98fc03d78b6111ac05d2e6eaf79c271a9f8514ff111a1fc2a1/diff://var/lib/docker/overlav2/fb42c8f1408495ae 9fb5c354c336ee83ac661f3ad3c960990dc61f1ab3acccf4/diff:/var/lib/docker/overlay2/91a43cfb2e30fd55d63c1c6d1fb85a61d4fa39259460b3 b25 er/overlay2/e12240eced938e7753e06fdf4e841a33633829acce45238ccb45fde514296490/diff".

```
"MergedDir":
"/var/lib/docker/overlay2/d5e82fefc9468f614c14f82243010f7ca09fb8d94613d76be23c93a7257c2804/merged",
                    "UpperDir": "/var/lib/docker/overlay2/d5e82fefc9468f614c14f82243010f7ca09fb8d94613d76be23c93a7257c2804/diff",
                    "WorkDir": "/var/lib/docker/overlay2/d5e82fefc9468f614c14f82243010f7ca09fb8d94613d76be23c93a7257c2804/work"
              },
               "Name": "overlay2"
          },
          "Mounts":[
              {
                    "Type": "bind",
                    "Source": "/data",
                    "Destination": "/var/lib/postgresql/data",
                    "Mode": "",
                    "RW": true,
                    "Propagation": "rprivate"
              }
          ],
          "Config": {
               "Hostname": "2a98dbad48c7",
               "Domainname": "",
               "User": "",
               "AttachStdin": false,
               "AttachStdout": false,
               "AttachStderr": false,
               "ExposedPorts": {
                    "5432/tcp": {}
               },
               "Tty": false,
               "OpenStdin": false,
               "StdinOnce": false,
               "Env":[
                    "POSTGRES PASSWORD=0000".
                    "PGDATA=/var/lib/postgresql/data/pgdata",
                    "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/lib/postgresql/15/bin",
                    "GOSU_VERSION=1.16",
                    "LANG=en_US.utf8",
                    "PG_MAJOR=15",
                    "PG_VERSION=15.4-1.pgdg120+1"
              1,
               "Cmd":[
                    "postgres"
               ],
```

```
"Image": "postgres",
"Volumes": {
     "/var/lib/postgresql/data": {}
"WorkingDir": "",
"Entrypoint":[
     "docker-entrypoint.sh"
"OnBuild": null,
"Labels": {},
"StopSignal": "SIGINT"
```

```
"NetworkSettings": {
                                     "Bridge": "",
                                      "SandboxID": "fc92e9cdd2e5e6060631faa77e79d7a71564e819d912b3518aceaa1912f511e0",
                                      "HairpinMode": false,
                                      "LinkLocalIPv6Address": "",
                                      "LinkLocalIPv6PrefixLen": 0,
                                      "Ports": {
                                                  "5432/tcp":[
                                                             {
                                                                            "Hostlp": "0.0.0.0",
                                                                           "HostPort": "5432"
                                                              },
                                                              {
                                                                            "HostIp": "::",
                                                                           "HostPort": "5432"
                                                  ]
                                     },
                                       "SandboxKey": "/var/run/docker/netns/fc92e9cdd2e5",
                                       "SecondaryIPAddresses": null,
                                      "SecondaryIPv6Addresses": null,
                                       "EndpointID": "",
                                       "Gateway": "",
                                       "GlobalIPv6Address": "",
                                      "GlobalIPv6PrefixLen": 0,
                                      "IPAddress": "",
                                       "IPPrefixLen": 0,
                                       "IPv6Gateway": "",
                                       "MacAddress": "",
                                       "Networks": {
                                                  "cs548-network":{
                                                               "IPAMConfig": null,
                                                               "Links": null,
                                                               "Aliases": [
                                                                           "2a98dbad48c7"
                                                              1,
                                                               "NetworkID": "32c83e0e9194f3115365ddb92c4b1c18cae4f04b296ed18e4a738e2be1757471", and the substitution of the contraction of t
                                                                "EndpointID": "ee5518cbb69f622d00d44e37f8dce374d625aefd436df3c9df122b4bb44c83c2",
                                                               "Gateway": "172.18.0.1",
                                                               "IPAddress": "172.18.0.3",
                                                               "IPPrefixLen": 16,
                                                                "IPv6Gateway": "",
                                                               "GlobalIPv6Address": "",
                                                                "GlobalIPv6PrefixLen": 0,
                                                                "MacAddress": "02:42:ac:12:00:03",
                                                                "DriverOpts": null
                                  }
                    }
          }
]
d.
User name, grader
Password, *tDS3|5
Console sign-in URL, <a href="https://466942225965.signin.aws.amazon.com/console">https://466942225965.signin.aws.amazon.com/console</a>
Database password: 0000
e.
```