# Subtask 2

- Screenshot of the Bash terminal showing variables set for both permanent and temporary resource groups.

```
$ export PERMANENT_RG_NAME="permanent_rg"

$ export PERMANENT_RG_LOCATION="eastus"

$ export TEMPORARY_RG_NAME="temporary_rg"

$ export PERMANENT_RG_LOCATION="westeurope"
```

- Screenshot of the az group list command and its output, listing available resource groups.

```
$ az group create --name "$PERMANENT_RG_NAME" --location "$PERMANENT_RG_LOCATION"
```

```
$ az group create --name "$TEMPORARY_RG_NAME" --location "$TEMPORARY_RG_LOCATION"
```

```
$ az group list
[
  {
    "id": "/subscriptions/                      /resourceGroups/permanent_rg",
    "location": "eastus",
    "managedBy": null,
    "name": "permanent_rg",
    "properties": {
      "provisioningState": "Succeeded"
    },
    "tags": null,
    "type": "Microsoft.Resources/resourceGroups"
  },
  {
    "id": "/subscriptions/                      /resourceGroups/temporary_rg",
    "location": "westeurope",
    "managedBy": null,
    "name": "temporary rg",
    "properties": {
      "provisioningState": "Succeeded"
    },
    "tags": null,
    "type": "Microsoft.Resources/resourceGroups"
  }
]
```

- Screenshot of the az group list command and its output, formatted as a table.

```
$ az group list --output table
Name            Location      Status
-----------     ----------    ---------
permanent_rg    eastus        Succeeded
temporary_rg    westeurope    Succeeded
```

- Screenshot of the az group show command and its output for the permanent resource group.

```
$ az group show --name $PERMANENT_RG_NAME
{
  "id": "/subscriptions/                              /resourceGroups/permanent_rg",
  "location": "eastus",
  "managedBy": null,
  "name": "permanent_rg",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
```

- Screenshot of the az group list command and its output, filtered by location.

```
$ az group list --query "[?location=='$PERMANENT_RG_LOCATION'].{Name:name, Location:location}" --output table
Name            Location
-----------     ----------
permanent_rg    eastus
```

- Screenshot of saving the permanent resource group ID to a variable.

```
$ RG_ID=$(az group show --name $PERMANENT_RG_NAME --query 'id' -o tsv)

EPAM+Mariia_Shaiko@EPUAKYIW075B MINGW64 ~
$ echo $RG_ID
/subscriptions/                              /resourceGroups/permanent_rg
```

- Screenshot of the successful deletion of the temporary resource group.
- Screenshot of the az group list command and its output after deletion, showing only the permanent resource group.

```
$ az group delete --name $TEMPORARY_RG_NAME --yes --no-wait


$ az group list --output table
Name            Location    Status
------------    ---------   ---------
permanent_rg    eastus      Succeeded
```

# Subtask 3

- Screenshot of setting a variable for the Azure Container Registry name.

```
$ export CONTAINER_RG_NAME="hwregistry"
```

- Screenshot of the successful creation of an Azure Container Registry.

```
az acr create --resource-group $PERMANENT_RG_NAME --name $CONTAINER_RG_NAME --sku Basic --admin-enabled true

"adminUserEnabled": true,
"anonymousPullEnabled": false,
"creationDate": "2024-09-28T18:26:59.397634+00:00",
"dataEndpointEnabled": false,
"dataEndpointHostNames": [],
"encryption": {
  "keyVaultProperties": null,
  "status": "disabled"
},
"id": "/subscriptions/                              /resourceGroups/permanent_rg/providers/Microsoft.ContainerRegistry/registries/hwregistry",
```

- Screenshot of the az resource list command and its output, showing the created Azure Container Registry.

```
$ az resource list --resource-group $PERMANENT_RG_NAME --output table
Name          ResourceGroup    Location    Type                                                Status
----------    -------------    --------    ------------------------------------------------    --------
hwregistry    permanent_rg     eastus      Microsoft.ContainerRegistry/registries
```

## Subtask 4-5 (Additional Screenshots)

```
$ az acr credential show --name $CONTAINER_RG_NAME --output yaml
passwords:
- name: password
  value:
- name: password2
  value:
username: hwregistry
```

Repository link - https://github.com/[redacted]/webapp

```
$ az acr repository list --name $CONTAINER_RG_NAME
[
  "webapp"
a]
```

```
$ az acr repository show-tags --name $CONTAINER_RG_NAME --repository webapp
[
  "719003c96b7924012eba026a87c454e4adbf3a79",
  "latest"
]
```

```
$ az acr repository delete --name $CONTAINER_RG_NAME --image webapp:719003c96b7924012eba026a87c454e4adbf3a79 -y
WARNING: This operation will delete the manifest 'sha256:205cbbdf7c7d0dfaacf4da5cffc50fb83cbe3a0e8b41be514e23e87eb65dbdd
f' and all the following images: 'webapp:719003c96b7924012eba026a87c454e4adbf3a79'

$ az acr repository show tags    name $CONTAINER_RG_NAME    repository webapp
[
  "747258286a671bc5fa2421f692078e1d0855ce84",
  "latest"
]
```

# Subtask 6

- Creation of a temporary resource group.

```
$ az group create --name $TEMPORARY_RG_NAME --location $TEMPORARY_RG_LOCATION
{
  "id": "/subscriptions/[redacted]/resourceGroups/temporary_rg",
  "location": "eastus",
  "managedBy": null,
  "name": "temporary_rg",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
```

- Creation of an App Service plan.

```
$ az appservice plan create --name myServicePlan --resource-group $TEMPORARY_RG_NAME --location $TEMPORARY_RG_LOCATION --sku B1 --is-linux
WARNING: Readonly attribute name will be ignored in class <class 'azure.mgmt.web.v2023_01_01.models._models_py3.AppServicePlan'>
{
  "elasticScaleEnabled": false,
  "extendedLocation": null,
  "freeOfferExpirationTime": null,
  "geoRegion": "East US",
  "hostingEnvironmentProfile": null,
  "hyperV": false,
  "id": "/subscriptions/                              /resourceGroups/temporary_rg/providers/Microsoft.Web/serverfarms/myServicePlan",
  "isSpot": false,
  "isXenon": false,
  "kind": "linux",
  "kubeEnvironmentProfile": null,
  "location": "eastus",
  "maximumElasticWorkerCount": 1,
  "maximumNumberOfWorkers": 0,
  "name": "myServicePlan",
  "numberOfSites": 0,
  "numberOfWorkers": 1,
  "perSiteScaling": false,
  "provisioningState": "Succeeded",
  "reserved": true,
  "resourceGroup": "temporary_rg",
  "sku": {
    "capabilities": null,
    "capacity": 1,
    "family": "B",
    "locations": null,
    "name": "B1",
    "size": "B1",
    "skuCapacity": null,
    "tier": "Basic"
  },
  "spotExpirationTime": null,
  "status": "Ready",
  "subscription": "                              ",
  "tags": null,
  "targetWorkerCount": 0,
  "targetWorkerSizeId": 0,
  "type": "Microsoft.Web/serverfarms",
  "workerTierName": null,
  "zoneRedundant": false
```

- Creation of a web app and deployment of the container image.

```
$ az webapp create --resource-group $TEMPORARY_RG_NAME --plan myServicePlan --name shaiko-webapp --deployment-container-image-name "${CONTAINER_RG_NAME}.azurecr.io/webapp:74258286a6/1bc5fa2421f6920/8c1d0855ce8
WARNING: Option '--deployment-container-image-name' has been deprecated and will be removed in a future release.
WARNING: No credential was provided to access Azure Container Registry. Trying to look up...
WARNING: App settings have been redacted. Use `az webapp/logicapp/functionapp config appsettings list` to view.
WARNING: App settings have been redacted. Use `az webapp/logicapp/functionapp config appsettings list` to view.
{
  "availabilityState": "Normal",
  "clientAffinityEnabled": true,
  "clientCertEnabled": false,
  "clientCertExclusionPaths": null,
  "clientCertMode": "Required",
  "cloningInfo": null,
  "containerSize": 0,
  "customDomainVerificationId": "02AD2B9FEC15AD80DC0E857b9613CBB248FBBF7F39B1EB3C7A82C05823192704",
  "dailyMemoryTimeQuota": 0,
  "daprConfig": null,
  "defaultHostName": "                .azurewebsites.net",
  "enabled": true,
  "enabledHostNames": [
    "shaiko-webapp.azurewebsites.net",
    "shaiko-webapp.scm.azurewebsites.net"
  ],
  "extendedLocation": null,
  "ftpPublishingUrl": "ftps://waws-prod-blu-167.ftp.azurewebsites.windows.net/site/wwwroot",
  "hostNameSslStates": [
```

- Successful deletion of the temporary resource group.

```
$ az group delete --resource-group $TEMPORARY_RG_NAME -y --no-wait
```

```
$ az group list --output table
Name           Location    Status
-------------  ----------  ---------
permanent_rg   eastus      Succeeded
temporary_rg   eastus      Deleting
```

- Screenshot of the web app running in a web browser

# Welcome to Web App with CI/CD!

Click Me!