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FEBRUARY 11, 2023

DevOps Classroomnotes 11/Feb/2023

Azure DevOps Pipelines Contd...

Expressions

- Refer Here for official docs
- Compile time vs runtime

```
#syntax ${{}} for compile time and $[] for runtime expressions.
variables:
  a: ${{ <expression> }}
  b: $[ <expression> ]
```

- Functions in expressions Refer Here
- Lets use expressions to print the BuildId and Parameter

```
# Starter pipeline
# Start with a minimal pipeline that you can customize to build and deploy your code.
# Add steps that build, run tests, deploy, and more:
# https://aka.ms/yaml

trigger:
- main

pool:
  vmImage: ubuntu-latest


parameters:
  - name: version
    displayName: version
    type: string
    default: v1.0
```

- Refer Here for conditional inputs
- Refer Here

```
# Starter pipeline
# Start with a minimal pipeline that you can customize to build and deploy your code.
# Add steps that build, run tests, deploy, and more:
# https://aka.ms/yaml

trigger:
- main

pool:
  vmImage: ubuntu-latest

variables:
  color: red


steps:
  - ${{ if eq(variables.color, 'red') }}:
```
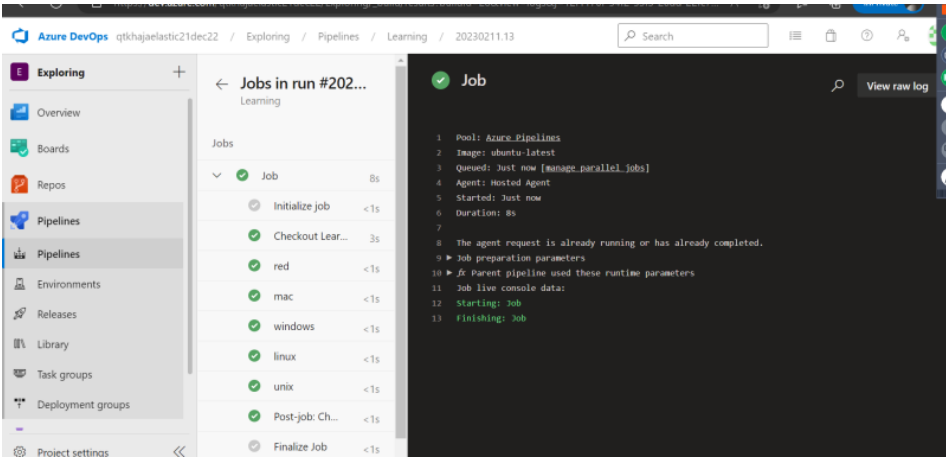
- repeating the steps

```
# Starter pipeline
# Start with a minimal pipeline that you can customize to build and deploy your code.
# Add steps that build, run tests, deploy, and more:
# https://aka.ms/yaml

trigger:
- main

pool:
  vmImage: ubuntu-latest

variables:
  color: red

parameters:
  - name: listofbuilds
    type: object
```

- Setting Variable value Refer Here

Service Connections

- Refer Here for Azure DevOps Service Pipeline connections.
- Service Connection Types Refer Here
- Refer Here for Azure Devops Toolkit for AWS
- Refer Here to create a service connection from Azure Devops to GCP
- Note: Refer Here for a document which speaks from code to kubernetes

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