Lab 22

```
apiVersion: argoproj.io/v1alpha1
kind: Workflow
metadata:
  generateName: container-set-template-
  namespace: argo
spec:
  entrypoint: main
  serviceAccountName: training
  templates:
   - name: main
     volumes:
      - name: workspace
        emptyDir: { }
     containerSet:
       volumeMounts:
        - mountPath: /workspace
          name: workspace
       containers:
        - name: a
          image: argoproj/argosay:v2
          command: [sh,-c]
          args: ["echo 'a: hello world' >> /workspace/message"]
        - name: b
          image: argoproj/argosay:v2
          command: [sh,-c]
          args: ["echo 'b: hello world' >> /workspace/message"]
        - name: main
          image: argoproj/argosay:v2
```

```
            command: [sh,-c]
            args: ["echo 'main: hello world' >> /workspace/message"]
            dependencies:
              - a
              - b
      outputs:
        parameters:
          - name: message
            valueFrom:
              path: /workspace/message
```

ContiainerSet Retry

```
apiVersion: argoproj.io/v1alpha1
kind: Workflow
metadata:
  name: containerset-with-retrystrategy
  namespace: argo
  annotations:
    workflows.argoproj.io/description: |
      This workflow creates a container set with a retryStrategy.
spec:
  entrypoint: containerset-retrystrategy-example
  serviceAccountName: training
  templates:
    - name: containerset-retrystrategy-example
      containerSet:
        retryStrategy:
          retries: "10" # if fails, retry at most ten times
      duration: 30s # retry for at most 30s
    containers:
      # this container completes successfully, so it won't be retried.
     - name: success
       image: python:alpine3.6
       command:
        - python
        --c
       args:
        - |
          print("hi")
      # if fails, it will retry at most ten times.
     - name: fail-retry
       image: python:alpine3.6
       command: ["python",-c]
       # fail with a 66% probability
       args: ["import random; import sys; exit_code = random.choice([0, 1, 1]);
sys.exit(exit_code)"]
```