K8S supports batch execution, long- running jobs and replaces failed containers.

⑧ Horizontal Scaling -
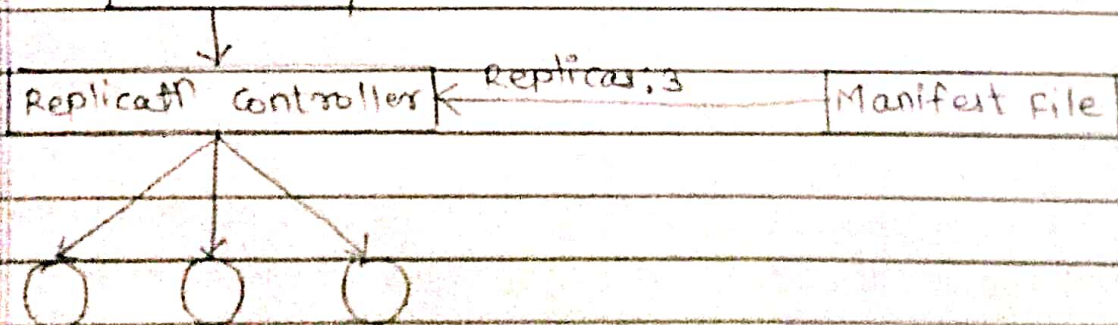
In K8S, we can scale up or down the containers
  - using commands
  - from the dashboard (K8S ui)
  - automatically based on CPU usage

Replication Controller		Manifest File		Horizontal Pod Autoscaler	

- Replication controller is a structure that enables to create multiple pods, then make sure that the no. of pods always exists.
- If the pod crashes, the replication controller replaces it.
- Replication controller gets the no. of pods to run and make available at any time from the information provided in manifest file

Horizontal pod Autoscaler	Automatically scales the no. of pods in a replication controller based on observed CPU utilization or with custom metrics

Replication Controller ← Replicas:3 → Manifest File

Replication controller - ensures that the desired no of pods are maintained always