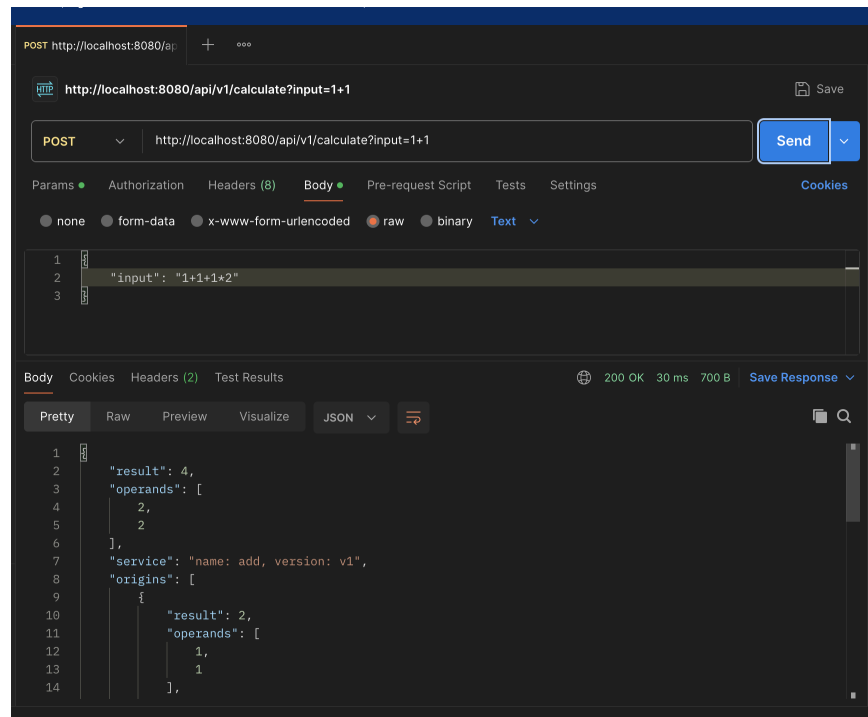


For Docker:

1. Git clone url
2. Inside the folder: `docker-compose -f docker-compose.yml -f docker-compose.ci.yml run --rm robot`
3. Using postman to send request



For k8s:

1. Install [minikube](#)
2. Install [kubectl](#)
3. Install [Istio](#)
4. `$ kubectl create namespace microcalc`
5. `$ kubectl label namespace microcalc -l istio-injection=enabled` (This command does not work for me, I use `"kubectl label namespace microcalc -l istio-injection=enabled"`)
6. `$ helm template helm/microcalc | kubectl apply -n microcalc -f -` (need to modify domain name first at value.yaml)
  - a. When you try to run this command you will probably run into error(see screenshot 1)
  - b. And you need to modify gateway.yaml (see screenshot 2)

```

Error: YAML parse error on microcalc/templates/gateway.yaml: error converting YAML to JSON: yaml: line 18: mapping values are not allowed in this context

Use --debug flag to render out invalid YAML
error: no objects passed to apply
(base) Kim-ChoudeMacBook-Pro-29:microcalc kim$ helm template helm/microcalc | kubectl apply -n microcalc -f -
Error: YAML parse error on microcalc/templates/gateway.yaml: error converting YAML to JSON: yaml: line 18: mapping values are not allowed in this context

Use --debug flag to render out invalid YAML
error: no objects passed to apply
(base) Kim-ChoudeMacBook-Pro-29:microcalc kim$

```

```

spec:
  hosts:
    {{- range .Values.istioGateway.hosts }}
    - {{ . }}
    {{- end }}
  gateways:
  - microcalc
  http:
  - match:
    - uri:
        prefix: /
      route:
      - destination:
          host: parser
          port:
            number: 80
    {{- end }}

```

## 7. Check your deployment \$ kubectl get pods -n microcalc

```

(base) Kim-ChoudeMacBook-Pro-29:microcalc kim$ kubectl get pods -n microcalc

```

| NAME                    | READY | STATUS    | RESTARTS    | AGE  |
|-------------------------|-------|-----------|-------------|------|
| add-9fb74f57b-kbttts    | 1/1   | Running   | 3 (52m ago) | 4d2h |
| div-86df5b5fd6-tpbtq    | 1/1   | Running   | 3 (52m ago) | 4d2h |
| mod-9d489d9f8-6vq7j     | 1/1   | Running   | 3 (52m ago) | 4d2h |
| mult-7b599b7ffb-bfzxb   | 1/1   | Running   | 3 (52m ago) | 4d2h |
| neg-6d885789bf-rjfv4    | 1/1   | Running   | 3 (52m ago) | 4d2h |
| parser-69f95c4dcf-w8nwl | 1/1   | Running   | 3 (52m ago) | 4d2h |
| pow-76f84f8dbf-lx7z6    | 1/1   | Running   | 3 (52m ago) | 4d2h |
| robot                   | 0/2   | Completed | 0           | 90m  |
| sub-6f8d5c85d4-7jb9c    | 1/1   | Running   | 3 (52m ago) | 4d2h |