Step 1: Start Minikube

If Minikube is not running, start it:

```
bash
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minikube start --driver=docker --force
```

Step 2: Create a Namespace

Create a namespace called webservers:

```
bash
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kubectl create namespace webservers
```

Step 3: Set the Current Context to the Namespace

```
bash
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kubectl config set-context --current --namespace=webservers
```

Step 4: Create a Deployment File

Create a deployment.yml file using a text editor:

```
bash
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nano deployment.yml
```

Add the following YAML configuration:

```
yaml
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apiVersion: apps/v1
kind: Deployment
metadata:
 name: nginx-deployment
spec:
 replicas: 1
  selector:
   matchLabels:
     app: nginx
  template:
    metadata:
      labels:
        app: nginx
    spec:
      containers:
        - name: nginx
          image: nginx:latest
```

```
ports:
   - containerPort: 80
```

Save and exit (CTRL + X, then Y, then Enter).

Step 5: Apply the Deployment

Apply the deployment:

bash
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kubectl apply -f deployment.yml

Step 6: Verify the Deployment

Check the created pods:

bash
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kubectl get pods

Step 7: Scale the Deployment

Scale the deployment to 5 replicas:

bash
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kubectl scale deployment nginx-deployment --replicas=5

Step 8: Verify Scaling

Check if the replicas have been created:

bash
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kubectl get deployment

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