Kubernets SetUp for GCP

1. Add the Cloud SDK distribution URI as a package source:
```
echo "deb [signed-by=/usr/share/keyrings/cloud.google.gpg] https://
packages.cloud.google.com/apt cloud-sdk main" | sudo tee -a /etc/
apt/sources.list.d/google-cloud-sdk.list
```

2. Make sure you have apt-transport-https installed:
```
apt-get install apt-transport-https ca-certificates
```

3. Import the Google Cloud public key:
```
curl https://packages.cloud.google.com/apt/doc/apt-key.gpg | sudo
apt-key --keyring /usr/share/keyrings/cloud.google.gpg add -
```

4. Update and install the Cloud SDK:
```
sudo apt-get update && sudo apt-get install google-cloud-sdk
```

5. Install Additional Packages:
```
sudo apt-get install google-cloud-sdk-app-engine-python
sudo apt-get install google-cloud-sdk-app-engine-python-extras
sudo apt-get install google-cloud-sdk-app-engine-java
sudo apt-get install google-cloud-sdk-app-engine-go
sudo apt-get install google-cloud-sdk-datalab
sudo apt-get install google-cloud-sdk-datastore-emulator
sudo apt-get install google-cloud-sdk-pubsub-emulator
sudo apt-get install google-cloud-sdk-cbt
sudo apt-get install google-cloud-sdk-cloud-build-local
sudo apt-get install google-cloud-sdk-bigtable-emulator
sudo apt-get install kubectl
```

6. Initialize GCloud CLI:
```
gcloud init
```

7. Set Google Project to Work On:
```
gcloud config set project test-1512061290775
```

8. List All the Installed Components
```
gcloud components list
```

9. Set Deployment/Compute Engine Zone:
```
gcloud config set compute/zone asia-south1-c
```

10. Enable Few APIs on Your Project
Compute Engine API
Kubernetes Engine API
Google Container Registry API