PROJECT REPORT QUESTION 1

PS C:\Users\anand\Downloads\DS_Assignment> docker-compose build --no-cache

time="2025-06-19T00:27:31-04:00" level=warning msg="C:\\Users\\anand\\Downloads\\DS_Assignment\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"

Compose can now delegate builds to bake for better performance.

 To do so, set COMPOSE_BAKE=true.

[+] Building 31.8s (19/21)
docker:desktop-linux

 => [node1 internal] load build definition from Dockerfile
0.1s

 => => transferring dockerfile: 111B
0.0s

 => [node3 internal] load build definition from Dockerfile
0.1s

 => => transferring dockerfile: 111B
0.0s

 => [node2 internal] load build definition from Dockerfile
0.1s

 => => transferring dockerfile: 111B
0.0s

 => [node2 internal] load metadata for docker.io/library/python:3.9
0.3s

 => [node3 internal] load .dockerignore
0.1s

 => => transferring context: 2B
0.0s

 => [node1 internal] load .dockerignore
0.0s

=> => transferring context: 2B
0.0s

=> [node2 internal] load .dockerignore
0.1s

=> => transferring context: 2B
0.0s

=> [node2 1/3] FROM
docker.io/library/python:3.9@sha256:e2d6f8be31a35665d3c39561ac2e96ece5b847e49ff
84c462ab1d6850900ba7d   30.1s

=> => resolve
docker.io/library/python:3.9@sha256:e2d6f8be31a35665d3c39561ac2e96ece5b847e49ff
84c462ab1d6850900ba7d   0.1s

=> =>
sha256:e2d6f8be31a35665d3c39561ac2e96ece5b847e49ff84c462ab1d6850900ba7d
10.35kB / 10.35kB   0.0s

=> =>
sha256:94fc7903e767dcafefeade7815b96b3d1b8e19c648b24141736c8434ee21aa59
2.32kB / 2.32kB   0.0s

=> =>
sha256:3b1eb73e993990490aa137c00e60ff4ca9d1715bafb8e888dbb0986275edb13f
24.02MB / 24.02MB   2.9s

=> =>
sha256:ce13473f18a0d44f7a5c56cd283075b1b66de98cf51459acbce5756e31b3a18d
6.18kB / 6.18kB   0.0s

=> =>
sha256:0c01110621e0ec1eded421406c9f117f7ae5486c8f7b0a0d1a37cc7bc9317226
48.49MB / 48.49MB   5.2s

=> =>
sha256:b1b8a0660a31403a35d70b276c3c86b1200b8683e83cd77a92ec98744017684a
64.40MB / 64.40MB   8.6s

=> =>
sha256:48b8862a18fa961ebfbac8484877dd4894e96ee88177d8c4f1f54d9727262b7d
211.37MB / 211.37MB   14.6s

```
 => =>
sha256:a7d2ea3f33a8c566c6e27c0e123d043ab74d29b26c2b22f01fc65131ccb90bf8
6.16MB / 6.16MB                                    6.1s

 => => extracting
sha256:0c01110621e0ec1eded421406c9f117f7ae5486c8f7b0a0d1a37cc7bc9317226
6.1s

 => => sha256:b6754ffd126059cf8be2be19089f13392b63ecd646f6dfb411c015fce35a15d2
19.85MB / 19.85MB                                  8.4s

 => => sha256:f57f9892d27393f8c8cea049f776d6cd4eb831a8be16b3e89db6ef64efb93fdb
251B / 251B                                        8.6s

 => => extracting
sha256:3b1eb73e993990490aa137c00e60ff4ca9d1715bafb8e888dbb0986275edb13f
1.8s

 => => extracting
sha256:b1b8a0660a31403a35d70b276c3c86b1200b8683e83cd77a92ec98744017684a
4.0s

 => => extracting
sha256:48b8862a18fa961ebfbac8484877dd4894e96ee88177d8c4f1f54d9727262b7d
9.5s

 => => extracting
sha256:a7d2ea3f33a8c566c6e27c0e123d043ab74d29b26c2b22f01fc65131ccb90bf8
0.4s

 => => extracting
sha256:b6754ffd126059cf8be2be19089f13392b63ecd646f6dfb411c015fce35a15d2
1.1s

 => => extracting
sha256:f57f9892d27393f8c8cea049f776d6cd4eb831a8be16b3e89db6ef64efb93fdb
0.0s

 => [node1 internal] load build context
0.1s

 => => transferring context: 1.91kB
0.0s
```

```
 => [node3 internal] load build context
0.1s

 => => transferring context: 1.91kB
0.0s

 => [node2 internal] load build context
0.1s

 => => transferring context: 1.91kB
0.0s

 => [node2 2/3] WORKDIR /app
0.3s

 => [node1 3/3] COPY node.py .
0.1s

 => [node3] exporting to image
0.3s

 => => exporting layers                                              0.1s

 => => writing image
sha256:c7590b18fea2fba0f543575b6e502780dda5f35499191d11d2fd8278e261de0a
0.0s

 => => naming to docker.io/library/ds_assignment-node3
0.0s

 => [node1] exporting to image
0.3s

 => => exporting layers                                              0.1s

 => => writing image
sha256:f6bac17d0c0c6df0aac6f3ddc9c0a5ded37cb17766caac7ee84aee4e01c91440
0.0s

 => => naming to docker.io/library/ds_assignment-node1
0.0s

 => [node2] exporting to image
0.3s

 => => exporting layers                                              0.1s
```

=> => writing image
sha256:c4e3c38786cea748f1fe942fe4314024f37808c1fba76c29cac02b0e6234287d
0.0s

=> => naming to docker.io/library/ds_assignment-node2
0.1s

=> [node1] resolving provenance for metadata file
0.2s

=> [node2] resolving provenance for metadata file
0.1s

=> [node3] resolving provenance for metadata file
0.1s

[+] Building 3/3

✓ node1 Built   0.0s

✓ node2 Built   0.0s

✓ node3 Built   0.0s

PS C:\Users\anand\Downloads\DS_Assignment>