Create a dockerfile, docker-compose file which when executed must display
your basic details in the website.

```
adobe-mappings-cmap-deprecated    noarch    20190730-1.amzn2023.0.2         amazonlinux    114 k
adobe-mappings-pdf                noarch    20180407-8.amzn2023.0.2         amazonlinux    627 k
annobin-docs                      noarch    10.93-1.amzn2023.0.1            amazonlinux     92 k
annobin-plugin-gcc                x86_64    10.93-1.amzn2023.0.1            amazonlinux    887 k
apr                               x86_64    1.7.5-1.amzn2023.0.4            amazonlinux    129 k
apr-util                          x86_64    1.6.3-1.amzn2023.0.1            amazonlinux     98 k
avahi-libs                        x86_64    0.8-14.amzn2023.0.14            amazonlinux     68 k
cairo                             x86_64    1.18.0-4.amzn2023.0.1           amazonlinux    718 k
cairo-gobject                     x86_64    1.18.0-4.amzn2023.0.1           amazonlinux     20 k
cpp                               x86_64    11.4.1-2.amzn2023.0.2           amazonlinux     10 M
cups-libs                         x86_64    1:2.3.3op2-18.amzn2023.0.8      amazonlinux    262 k
debugedit                         x86_64    5.0-2.amzn2023.0.3              amazonlinux     77 k
elfutils-devel                    x86_64    0.188-3.amzn2023.0.2            amazonlinux     54 k
elfutils-libelf-devel             x86_64    0.188-3.amzn2023.0.2            amazonlinux     26 k
emacs-filesystem                  noarch    1:28.2-3.amzn2023.0.9           amazonlinux    9.1 k
fontconfig                        x86_64    2.13.94-2.amzn2023.0.2          amazonlinux    273 k
fonts-filesystem                  noarch    1:2.0.5-12.amzn2023.0.2         amazonlinux    9.5 k
freetype                          x86_64    2.13.2-5.amzn2023.0.1           amazonlinux    423 k
fribidi                           x86_64    1.0.11-3.amzn2023.0.2           amazonlinux     54 k
gc                                x86_64    8.0.4-5.amzn2023.0.2            amazonlinux    105 k
gcc                               x86_64    11.4.1-2.amzn2023.0.2           amazonlinux     32 M
gd                                x86_64    2.3.3-5.amzn2023.0.3            amazonlinux    139 k
gdb-minimal                       x86_64    12.1-5.amzn2023.0.4             amazonlinux    4.0 M
gdk-pixbuf2                       x86_64    2.42.10-1.amzn2023.0.1          amazonlinux    467 k
gettext-common-devel              noarch    0.21-4.amzn2023.0.2             amazonlinux    406 k
gettext-devel                     x86_64    0.21-4.amzn2023.0.2             amazonlinux    200 k
git-core                          x86_64    2.47.1-1.amzn2023.0.2           amazonlinux    4.7 M
git-core-doc                      noarch    2.47.1-1.amzn2023.0.2           amazonlinux    2.8 M
glibc-devel                       x86_64    2.34-117.amzn2023.0.1           amazonlinux     33 k
glibc-headers-x86                 noarch    2.34-117.amzn2023.0.1           amazonlinux    434 k
google-droid-sans-fonts           noarch    20200215-9.amzn2023.0.2         amazonlinux    2.7 M
google-noto-fonts-common          noarch    20201206-2.amzn2023.0.2         amazonlinux     15 k
google-noto-sans-vf-fonts         noarch    20201206-2.amzn2023.0.2         amazonlinux    492 k
graphite2                         x86_64    1.3.14-7.amzn2023.0.2           amazonlinux     97 k
graphviz                          x86_64    2.44.0-25.amzn2023.0.7          amazonlinux    3.3 M
```

```
Install  2 Packages

Total download size: 1.9 M
Installed size: 11 M
Is this ok [y/N]: y
Downloading Packages:
(1/2): libxcrypt-compat-4.4.33-7.amzn2023.x86_64.rpm                    1.7 MB/s |  92 kB     00:00
(2/2): python3-pip-21.3.1-2.amzn2023.0.10.noarch.rpm                     16 MB/s | 1.8 MB     00:00
---------------------------------------------------------------------------------------------------
Total                                                                    13 MB/s | 1.9 MB     00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing        :                                                                            1/1
  Installing       : libxcrypt-compat-4.4.33-7.amzn2023.x86_64                                  1/2
  Installing       : python3-pip-21.3.1-2.amzn2023.0.10.noarch                                  2/2
  Running scriptlet: python3-pip-21.3.1-2.amzn2023.0.10.noarch                                  2/2
  Verifying        : libxcrypt-compat-4.4.33-7.amzn2023.x86_64                                  1/2
  Verifying        : python3-pip-21.3.1-2.amzn2023.0.10.noarch                                  2/2

Installed:
  libxcrypt-compat-4.4.33-7.amzn2023.x86_64                    python3-pip-21.3.1-2.amzn2023.0.10.noarch

Complete!
[ec2-user@ip-172-31-83-231 ~]$ sudo yum groupinstall "Development Tools" -y
Last metadata expiration check: 0:15:13 ago on Thu Feb 27 07:59:39 2025.
No match for group package "system-rpm-config"
No match for group package "rcs"
No match for group package "pkgconfig"
Dependencies resolved.
===================================================================================================
 Package                  Architecture        Version                      Repository        Size
===================================================================================================
```

```
=> => sha256:7cf63256a31a4cc44f6defe8e1af95363aee5fa75f30a248d95cae684f87c53c 28.22MB / 28.22MB          3.1s
=> => sha256:bf9acace214a6c23630803d90911f1fd7d1ba06a3083f0a62fd036a6d1d8e274 43.95MB / 43.95MB          2.2s
=> => sha256:9d6b58feebd2dbd3c56ab5853333d627cc6e281011cfd6050fa4bcf2072c9496 10.27kB / 10.27kB          0.0s
=> => sha256:513c3649bb1480ca9a04c73f320b6b5a909e24e4ac18ae72fd56b818241d6730 626B / 626B                0.1s
=> => sha256:9dd21ad5a4a6a856d82bb6bb6147c30ad90a9768c3651c55775354e7649bc74d 406B / 406B                0.2s
=> => sha256:943ea0f0c2e42ccacc72ac657013347eadb2b0cb22828fac30f1400bba3d37088 1.21kB / 1.21kB           0.3s
=> => sha256:103f50cb3e9f200431b555078cce5e8df3db6ddc2e54d714a10b994e430e98a3 1.40kB / 1.40kB            0.3s
=> => extracting sha256:7cf63256a31a4cc44f6defe8e1af95363aee5fa75f30a248d95cae684f87c53c                 1.6s
=> => extracting sha256:bf9acace214a6c23630803d90911f1fd7d1ba06a3083f0a62fd036a6d1d8e274                 1.7s
=> => extracting sha256:513c3649bb1480ca9a04c73f320b6b5a909e24e4ac18ae72fd56b818241d6730                 0.0s
=> => extracting sha256:d014f92d532d416c7b9eadb244f14f73fdb3d2ead128264b749e342700824f3c                 0.0s
=> => extracting sha256:9dd21ad5a4a6a856d82bb6bb6147c30ad90a9768c3651c55775354e7649bc74d                 0.0s
=> => extracting sha256:943ea0f0c2e42ccacc72ac657013347eadb2b0cb22828fac30f1400bba3d37088                0.0s
=> => extracting sha256:103f50cb3e9f200431b555078cce5e8df3db6ddc2e54d714a10b994e430e98a3                 0.0s
=> [2/2] COPY index.html /usr/share/nginx/html/index.html                                                0.1s
=> exporting to image                                                                                   0.0s
=> => exporting layers                                                                                  0.0s
=> => writing image sha256:2f95a149778f019aaa60be980ff72fc214ac90c76fe01b1efc93451483da39ea             0.0s
=> => naming to docker.io/library/ec2-user_nginx                                                        0.0s
WARNING: Image for service nginx was built because it did not already exist. To rebuild this image you must use `docker-compose build` or `docker-co
pose up --build`.
reating my_nginx_container ... done
ec2-user@ip-172-31-83-231 ~]$ sudo docker-compose up --build
uilding nginx
+] Building 0.2s (7/7) FINISHED                                                                docker:default
=> [internal] load build definition from dockerfile                                                     0.0s
=> => transferring dockerfile: 329B                                                                     0.0s
=> [internal] load metadata for docker.io/library/nginx:latest                                          0.1s
=> [internal] load .dockerignore                                                                        0.0s
=> => transferring context: 2B                                                                          0.0s
=> [internal] load build context                                                                        0.0s
=> => transferring context: 91B                                                                         0.0s
=> [1/2] FROM docker.io/library/nginx:latest@sha256:9d6b58feebd2dbd3c56ab5853333d627cc6e281011cfd6050fa4bcf2072c9496  0.0s
=> CACHED [2/2] COPY index.html /usr/share/nginx/html/index.html                                        0.0s
=> exporting to image                                                                                   0.0s
```

```
Run 'docker COMMAND --help' for more information on a command.

For more help on how to use Docker, head to https://docs.docker.com/go/guides/

[root@ip-172-31-83-231 ec2-user]#  docker exec -it 4b4f118ceb66 sh
/ # ls
bin                     etc                     mnt                     run                     tmp
dev                     home                    opt                     sbin                    usr
docker-entrypoint.d     lib                     proc                    srv                     var
docker-entrypoint.sh    media                   root                    sys
/ # cd /usr/share/nginx
/usr/share/nginx # ls
html
/usr/share/nginx # cd html
/usr/share/nginx/html # ls
50x.html        index.html
/usr/share/nginx/html # vim index.html
sh: vim: not found
/usr/share/nginx/html # nano index.html
sh: nano: not found
/usr/share/nginx/html # apk update
fetch https://dl-cdn.alpinelinux.org/alpine/v3.21/main/x86_64/APKINDEX.tar.gz
fetch https://dl-cdn.alpinelinux.org/alpine/v3.21/community/x86_64/APKINDEX.tar.gz
v3.21.3-73-g0843e2de4e2 [https://dl-cdn.alpinelinux.org/alpine/v3.21/main]
v3.21.3-79-g0b1ec233205 [https://dl-cdn.alpinelinux.org/alpine/v3.21/community]
OK: 25399 distinct packages available
/usr/share/nginx/html # apk add vim
(1/3) Installing vim-common (9.1.1105-r0)
(2/3) Installing xxd (9.1.1105-r0)
(3/3) Installing vim (9.1.1105-r0)
Executing busybox-1.37.0-r12.trigger
OK: 73 MiB in 70 packages
/usr/share/nginx/html # vim index.html
/usr/share/nginx/html # |
```

```
root@ip-172-31-83-231 ec2-user]# cat Dockerfil
at: Dockerfil: No such file or directory
root@ip-172-31-83-231 ec2-user]# cat Dockerfile
ROM nginx:alpine

 Copy the index.html file to the default nginx HTML directory
OPY index.html /usr/share/nginx/html/index.html

 Expose port 80
XPOSE 80

 Run nginx in the foreground
MD ["nginx", "-g", "daemon off;"]
root@ip-172-31-83-231 ec2-user]#
```

```
        <ul>
            <li><strong>Age:</strong> 25</li>
            <li><strong>Location:</strong> kasimedu</li>
            <li><strong>Interests:</strong> Coding, Traveling, Music</li>
        </ul>
</body>
</html>
[root@ip-172-31-83-231 ec2-user]# cat docker-compose
cat: docker-compose: No such file or directory
[root@ip-172-31-83-231 ec2-user]# cat docker-compose .yml
cat: docker-compose: No such file or directory
cat: .yml: No such file or directory
[root@ip-172-31-83-231 ec2-user]# cat docker-compose.yml
version: '3'
services:
  web:
    image: nginx:alpine
    ports:
      - "8080:80"
    volumes:
      - ./index.html:/usr/share/nginx/html/index.html
[root@ip-172-31-83-231 ec2-user]#
```

30°C
Sunny

Search

14:42
27-02-2025

← → C ⚠ Not secure 44.204.8.233:8080

☆ P ⋮

Hello, I Pals

Welcome to my page!

- **Age:** 25
- **ketalvodipen:** kasimedu
- **Interests:** Coding, Traveling, Music

30°C
Sunny

Search

14:34
27-02-2025