```
  GNU nano 7.2
FROM python:slim

WORKDIR /app

COPY requirements.txt .

RUN pip install -r requirements.txt

COPY . .

ENTRYPOINT ["python", "app.py"]
```

```
  GNU nano 7.2
FROM mcr.microsoft.com/dotnet/sdk:7.0 AS build
WORKDIR /source
copy ..
RUN dotnet publish worker.csproj -c Release -o /app

FROM mcr.microsoft.com/dotnet/runtime:7.0 AS runtime
WORKDIR /app
COPY --from=build /source/out .
ENTRYPOINT ["dotnet", "Worker.dll"]
```

```
  GNU nano 7.2
FROM node:alpine

WORKDIR /app

COPY package*.json .

RUN npm install

COPY . .

ENV PORT=80

ENTRYPOINT ["npm", "start"]
```

```
  GNU nano 7.2
version: '3'
services:
  vote:
    build: ./vote
    ports:
      - "8081:80"
    depends_on:
      - redis
    networks:
      - front-tier
      - back-tier

  result:
    build: ./result
    ports:
      - "8082:80"
    depends_on:
      - db
    networks:
      - front-tier
      - back-tier

  worker:
    build: ./worker
    depends_on:
      - redis
      - db
    networks:
      - back-tier

  redis:
    image: "redis:latest"
    networks:
      - back-tier

  db:
    image: "postgres:latest"
    environment:
      POSTGRES_USER: "postgres"
      POSTGRES_PASSWORD: "postgres"
    volumes:
      - "./db-data:/var/lib/postgresql/data"
    networks:
      - back-tier

networks:
  front-tier:
  back-tier:
```
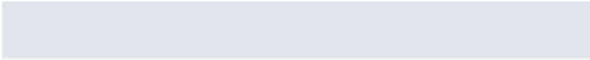
```
Pulling redis (redis:latest)...
latest: Pulling from library/redis
254e724d7786: Pull complete
a131b527c2eb: Pull complete
e14bd717af36: Pull complete
1d380dfb74a4: Pull complete
c9e771e39c60: Pull complete
3781e1e8cbc4: Pull complete
4f4fb700ef54: Pull complete
f5340b1d1605: Pull complete
Digest: sha256:d000041b9a42fabfe583d89db22028fd078561a505df7178a5a94ebbabe0f5f
Status: Downloaded newer image for redis:latest
Building vote
DEPRECATED: The legacy builder is deprecated and will be removed in a future r
            Install the buildx component to build images with BuildKit:
            https://docs.docker.com/go/buildx/

Sending build context to Docker daemon  11.78kB
Step 1/6 : FROM python:slim
slim: Pulling from library/python
8a628cdd7ccc: Pull complete
f89b8a1b3342: Pull complete
29984f11a3e9: Pull complete
0f1e2b67e655: Pull complete
Digest: sha256:f0591da876f85e256727f12c4ea52afbd2adf24b9cbf9b78c02d59231ec46e9
Status: Downloaded newer image for python:slim
 ---> 94124e1b0412
```

```
Successfully built 8bbeac32e766
Successfully tagged voting-app_vote:latest
Pulling db (postgres:latest)...
latest: Pulling from library/postgres
254e724d7786: Already exists
5ed504ed4ebe: Pull complete
6b1012ab103c: Pull complete
688bd672efd5: Pull complete
18c4f6c1b1e7: Pull complete
5b2c2f1196a6: Pull complete
451329d20b9f: Pull complete
33518fbc18a9: Pull complete
8ac7e820633f: Pull complete
f17c4120c789: Pull complete
8937a896f225: Pull complete
d65a61d71ceb: Pull complete
13b75ce6e0b4: Pull complete
bb9034c7832a: Pull complete
Digest: sha256:cdb3f383b3e4c996be74f758377d272b0c8eb1ab2c227349933bf52d363685cc
```

## Cats vs Dogs!

CATS

DOGS

(Tip: you can change your vote)