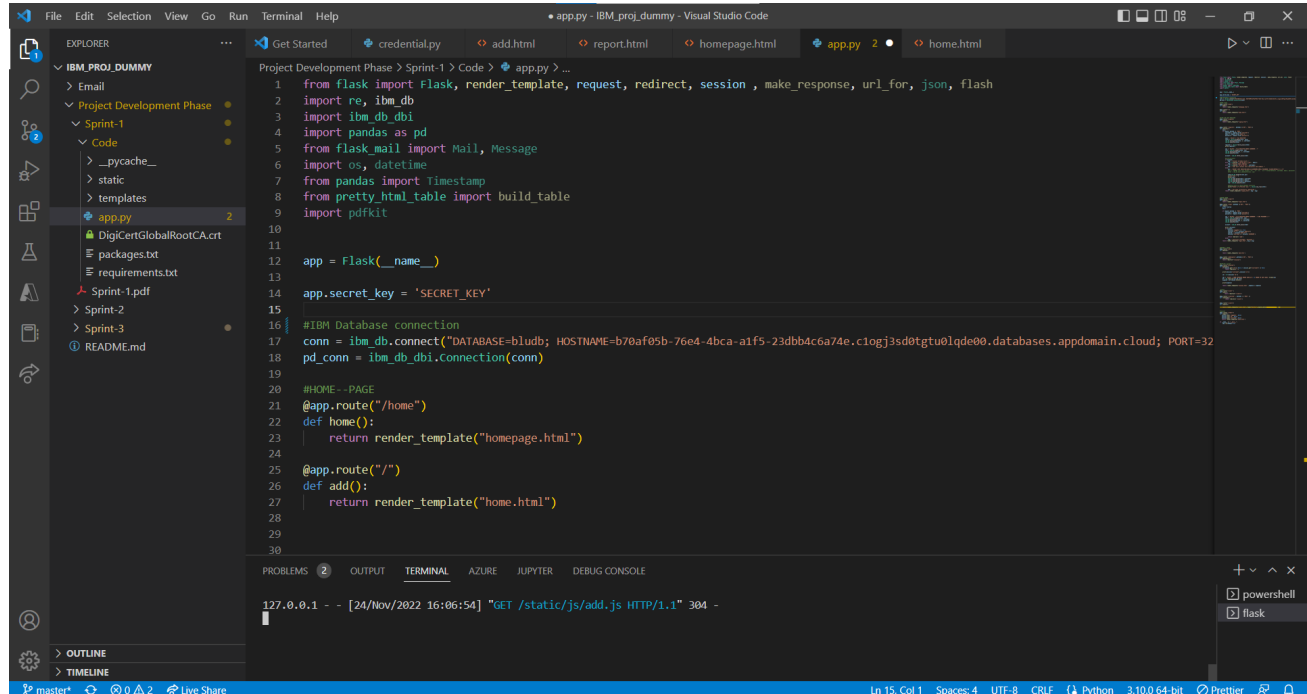


SETTING UP APPLICATION ENVIRONMENT

TEAM ID	PNT2022TMID35287
PROJECT NAME	Personal Expense Tracker Application

CREATE FLASK PROJECT



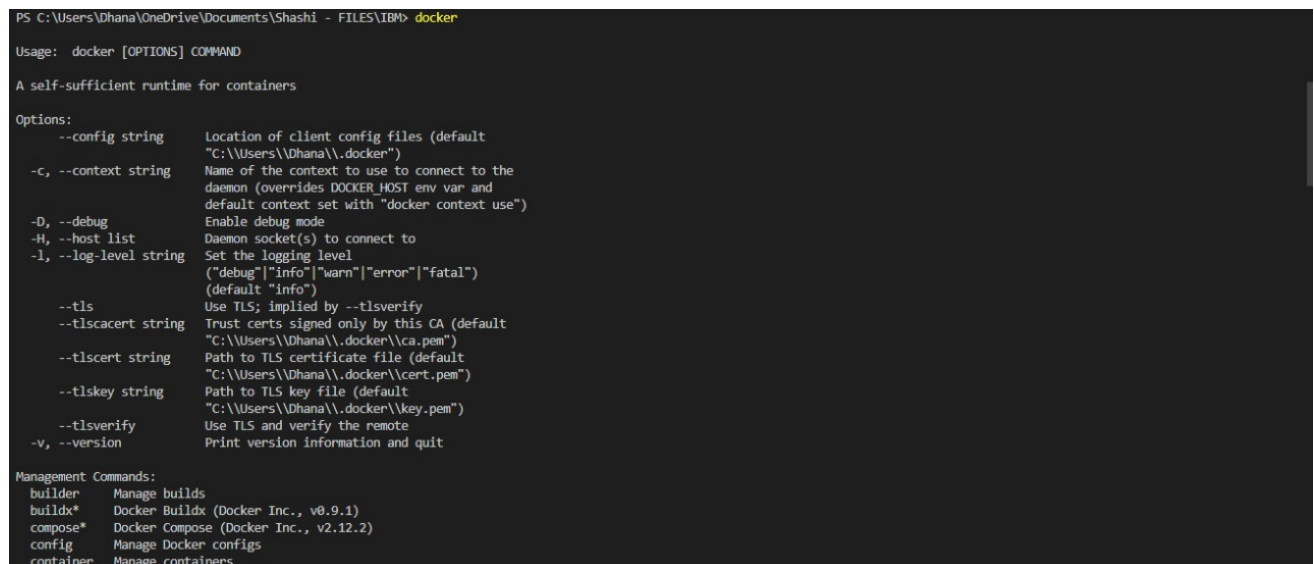
```
File Edit Selection View Go Run Terminal Help
• app.py - IBM_proj_dummy - Visual Studio Code

EXPLORER
IBM_PROJ_DUMMY
  Email
  Project Development Phase
    Code
      app.py
      _pycache_
      static
      templates
  DigiCertGlobalRootCA.crt
  packages.txt
  requirements.txt
  Sprint-1.pdf
  Sprint-2
  Sprint-3
  README.md

Project Development Phase > Sprint-1 > Code > app.py > ...
1 from flask import Flask, render_template, request, redirect, session, make_response, url_for, json, flash
2 import re, ibm_db
3 import ibm_db_dbi
4 import pandas as pd
5 from flask_mail import Mail, Message
6 import os, datetime
7 from pandas import Timestamp
8 from pretty_html_table import build_table
9 import pdfkit
10
11
12 app = Flask(__name__)
13
14 app.secret_key = 'SECRET_KEY'
15
16 #IBM Database connection
17 conn = ibm_db.connect("DATABASE=bludb; HOSTNAME=b70af05b-76e4-4bca-a1f5-23dbb4c6a74e.c1ogj3sd0gtu0lqde00.databases.appdomain.cloud; PORT=32
18 pd_conn = ibm_db_dbi.connection(conn)
19
20 #HOME - PAGE
21 @app.route("/home")
22 def home():
23     return render_template("homepage.html")
24
25 @app.route("/")
26 def add():
27     return render_template("home.html")
28
29
30

TERMINAL
127.0.0.1 - - [24/Nov/2022 16:06:54] "GET /static/js/add.js HTTP/1.1" 304 -
```

CREATE DOCKER CLI



```
PS C:\Users\Dhana\OneDrive\Documents\Shashi - FILES\IBM> docker

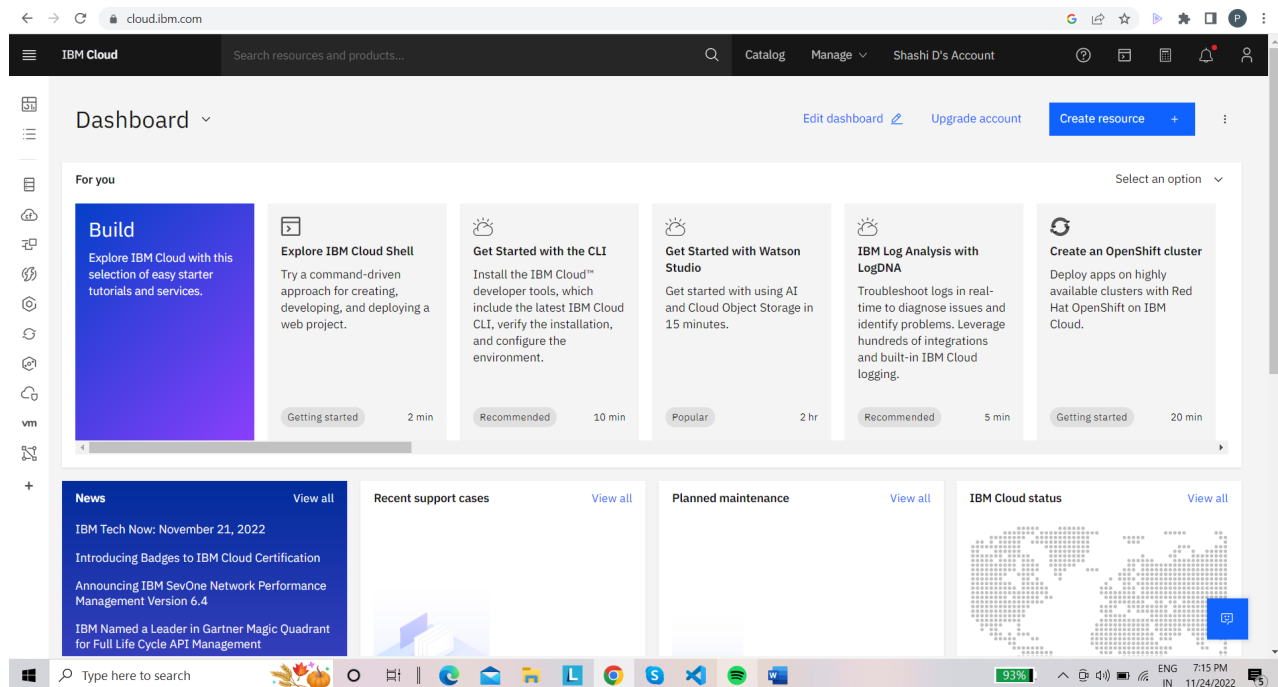
Usage: docker [OPTIONS] COMMAND

A self-sufficient runtime for containers

Options:
  --config string      Location of client config files (default
                        "C:\Users\Dhana\.docker")
  -c, --context string  Name of the context to use to connect to the
                        daemon (overrides DOCKER_HOST env var and
                        default context set with "docker context use")
  -D, --debug           Enable debug mode
  -H, --host list       Daemon socket(s) to connect to
  -l, --log-level string Set the logging level
                        ("debug"|"info"|"warn"|"error"|"fatal")
                        (default "info")
  --tls                Use TLS; implied by --tlsverify
  --tlscacert string    Trust certs signed only by this CA (default
                        "C:\Users\Dhana\.docker\ca.pem")
  --tlscert string      Path to TLS certificate file (default
                        "C:\Users\Dhana\.docker\cert.pem")
  --tlskey string       Path to TLS key file (default
                        "C:\Users\Dhana\.docker\key.pem")
  --tlsverify           Use TLS and verify the remote
  -v, --version         Print version information and quit

Management Commands:
  builder              Manage builds
  buildx*              Docker Buildx (Docker Inc., v0.9.1)
  compose*             Docker Compose (Docker Inc., v2.12.2)
  config               Manage Docker configs
  container            Manage containers
```

CREATE IBM CLOUD ACCOUNT



CREATE IBM CLI

```
PS C:\Users\Dhana\OneDrive\Documents\Shashi - FILES\IBM> ibmcloud
NAME:
  C:\Program Files\IBM\Cloud\bin\ibmcloud.exe - A command line tool to interact with IBM Cloud
  Find more information at: https://ibm.biz/cli-docs

USAGE:
  [environment variables] C:\Program Files\IBM\Cloud\bin\ibmcloud.exe [global options] command [arguments].
  ..] [command options]

VERSION:
  2.12.1+b8488a1-2022-10-31T15:08:10+00:00

COMMANDS:
  account      Manage accounts, users, orgs and spaces
  api          Set or view target API endpoint
  billing      Retrieve usage and billing information
  catalog      Manage catalog
  cf           Run Cloud Foundry CLI with IBM Cloud CLI context
  config       Write default values to the config
  cr           Manage IBM Cloud Container Registry content and configuration.
  dev          Create, develop, deploy, and monitor applications
  enterprise   Manage enterprise, account groups and accounts.
  iam          Manage identities and access to resources
  login        Log user in
  logout       Log user out
  plugin       Manage plug-ins and plug-in repositories
  regions      List all the regions
  resource     Manage resource groups and resources
  resources    List all resources
  sl           Manage Classic infrastructure services
  target       Set or view the targeted region, account, resource group, org or space
  update       Update CLI to the latest version
  version      Print the version
  help, h      Show help
```