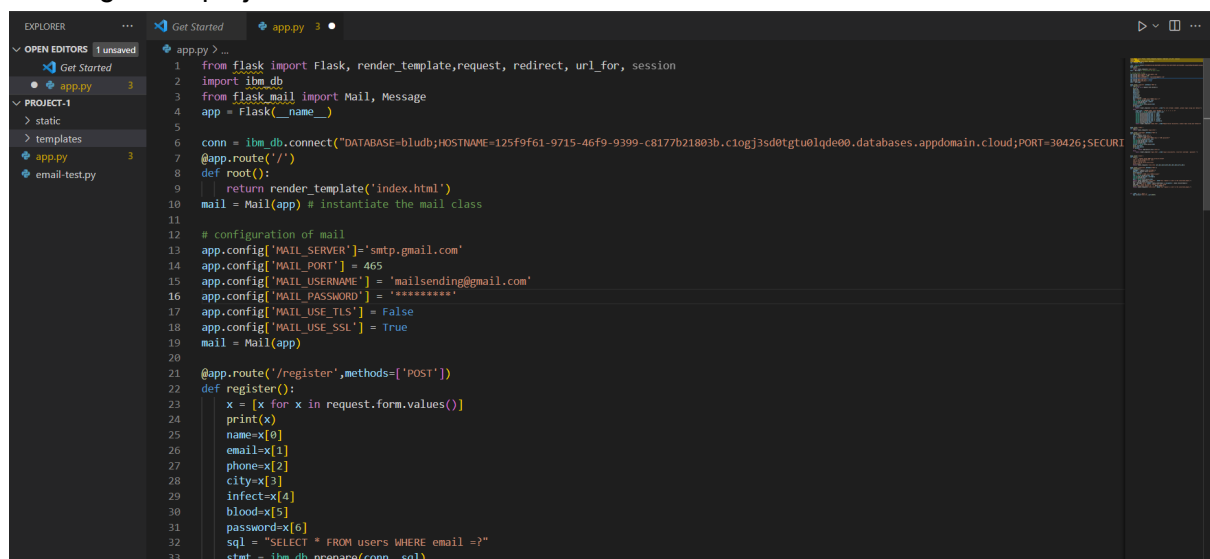


# SETTING UP APPLICATION ENVIRONMENT

Team ID	PNT2022TMID35253
Project Name	Plasma Donor Application

## Creating Flask project



```
1 from flask import Flask, render_template, request, redirect, url_for, session
2 import ibm_db
3 from flask_mail import Mail, Message
4 app = Flask(__name__)
5
6 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=125f9f61-9715-46f9-9399-c8177b21803b.clogj3sdtgtu0lqde00.databases.appdomain.cloud;PORT=30426;SECURI
7 @app.route('/')
8 def root():
9     return render_template('index.html')
10 mail = Mail(app) # instantiate the mail class
11
12 # configuration of mail
13 app.config['MAIL_SERVER'] = 'smtp.gmail.com'
14 app.config['MAIL_PORT'] = 465
15 app.config['MAIL_USERNAME'] = 'mailsending@gmail.com'
16 app.config['MAIL_PASSWORD'] = '*****'
17 app.config['MAIL_USE_TLS'] = False
18 app.config['MAIL_USE_SSL'] = True
19 mail = Mail(app)
20
21 @app.route('/register', methods=['POST'])
22 def register():
23     x = [x for x in request.form.values()]
24     print(x)
25     name=x[0]
26     email=x[1]
27     phone=x[2]
28     city=x[3]
29     infect=x[4]
30     blood=x[5]
31     password=x[6]
32     sql = "SELECT * FROM users WHERE email =?"
33     stat = ibm_db.prepare(conn, sql)
```

## Create Docker CLI

```
C:\Users\Hemashirisha N>docker

Usage:  docker [OPTIONS] COMMAND

A self-sufficient runtime for containers

Options:
  --config string      Location of client config files (default
                        "C:\\Users\\Hemashirisha N\\.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\\Hemashirisha N\\.docker\\ca.pem")
  --tlscert string      Path to TLS certificate file (default
                        "C:\\Users\\Hemashirisha N\\.docker\\cert.pem")
  --tlskey string       Path to TLS key file (default
                        "C:\\Users\\Hemashirisha N\\.docker\\key.pem")
  --tlsverify          Use TLS and verify the remote
  -v, --version         Print version information and quit
```

## Create IBM Cloud Account

The screenshot displays the IBM Cloud Dashboard for a user named Shashi D's Account. The dashboard is organized into several sections:

- Dashboard Header:** Includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user's account.
- For you section:** A horizontal row of six cards, each representing a different service or tutorial:
  - Build:** Explore IBM Cloud with this selection of easy starter tutorials and services. (Getting started, 2 min)
  - Explore IBM Cloud Shell:** Try a command-driven approach for creating, developing, and deploying a web project. (Recommended, 10 min)
  - Get Started with the CLI:** Install the IBM Cloud™ developer tools, which include the latest IBM Cloud CLI, verify the installation, and configure the environment. (Popular, 2 hr)
  - Get Started with Watson Studio:** Get started with using AI and Cloud Object Storage in 15 minutes. (Recommended, 5 min)
  - IBM Log Analysis with LogDNA:** Troubleshoot logs in real-time to diagnose issues and identify problems. Leverage hundreds of integrations and built-in IBM Cloud logging. (Getting started, 20 min)
  - Create an OpenShift cluster:** Deploy apps on highly available clusters with Red Hat OpenShift on IBM Cloud.
- News section:** A vertical list of recent news items, including "IBM Tech Now: November 21, 2022", "Introducing Badges to IBM Cloud Certification", "Announcing IBM SevOne Network Performance Management Version 6.4", and "IBM Named a Leader in Gartner Magic Quadrant for Full Life Cycle API Management".
- Recent support cases:** A section for viewing recent support cases.
- Planned maintenance:** A section for viewing planned maintenance events.
- IBM Cloud status:** A section for viewing the current status of IBM Cloud services, accompanied by a world map.

## IBM CLI

```
C:\Users\Hemashirisha N>ibmcloud
NAME:
  ibmcloud - A command line tool to interact with IBM Cloud
  Find more information at: https://ibm.biz/cli-docs

USAGE:
  [environment variables] ibmcloud [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
  cloud-functions, wsk, functions, fn  Manage Cloud Functions
  config           Write default values to the config
  cos              Interact with IBM Cloud Object Storage services
  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
  ks, cs, oc       Manage Kubernetes and OpenShift clusters in IBM Cloud. Aliases include 'ibmcloud oc'.
  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
  sat             Manage IBM Cloud Satellite clusters.
  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

Enter 'ibmcloud help [command]' for more information about a command.
```