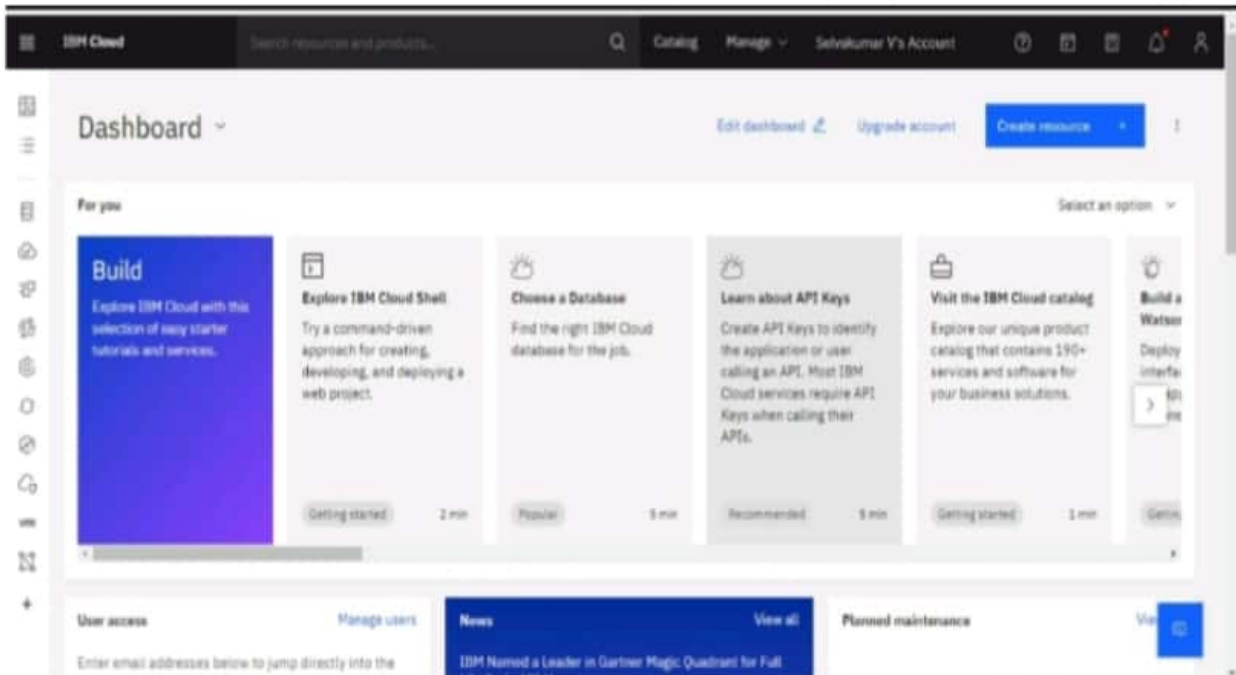


SETTING UP APPLICATION ENVIRONMENT

CREATE IBM CLOUD ACCOUNT



INSTALL IBM CLOUD CLI

```
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>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
  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
```

DOCKERS CLI INSTALLATION

```
Command Prompt
C:\Users\HP>docker

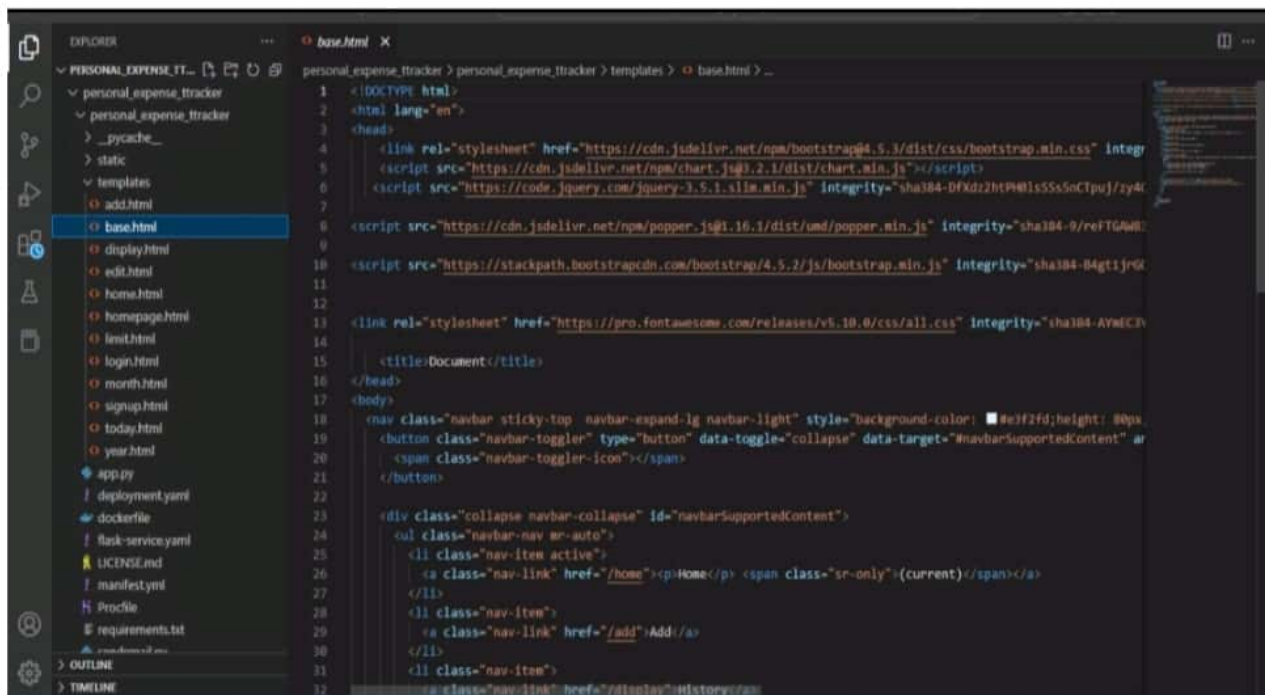
Usage: docker [OPTIONS] COMMAND

A self-sufficient runtime for containers

Options:
  --config string      Location of client config files (default
                        "C:\\Users\\HP\\.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\\HP\\.docker\\ca.pem")
  --tlscert string      Path to TLS certificate file (default
                        "C:\\Users\\HP\\.docker\\cert.pem")
  --tlskey string       Path to TLS key file (default
                        "C:\\Users\\HP\\.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)
```

CREATE FLASK PROJECT



The screenshot shows a Visual Studio Code editor with a Flask project named 'PERSONAL_EXPENSE_TRACKER'. The file explorer on the left shows the project structure, including a 'templates' folder. The 'base.html' file is selected and its content is displayed in the editor. The code is a Bootstrap 4 template with a navigation bar and a main content area.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" integrity="sha384-TX6tZ7tY7wR/0kYT+P5SwIVAp3g9Sx9nc6SEIclA3+1pWt2lb71pkXcHkWb">
5   <script src="https://cdn.jsdelivr.net/npm/chart.js@3.2.1/dist/chart.min.js"></script>
6   <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5ocCTpuj/zy4C" crossorigin="anonymous"></script>
7   <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83Hu2Iy64uCDf8gjCq1TNDV2I4zA+R16Iz1P/eJtf68J1u+x2T" crossorigin="anonymous"></script>
8   <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-91tG65kK3vWv10Ca2Og4gz9J1clb2keJQZbN200oQpXmUlQAAsSqYW7Au18y" crossorigin="anonymous"></script>
9
10  <link rel="stylesheet" href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css" integrity="sha384-AyMECEqf3CfTKrLpAW8D4J4VhCX9iOoIMtJmVcYP3dr0VEAL3qMFp8" crossorigin="anonymous"></link>
11
12  <title>Document</title>
13 </head>
14 <body>
15   <nav class="navbar sticky-top navbar-expand-lg navbar-light" style="background-color: #e3f2fd; height: 60px;">
16     <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
17       <span class="navbar-toggler-icon"></span>
18     </button>
19     <div class="collapse navbar-collapse" id="navbarSupportedContent">
20       <ul class="navbar-nav mr-auto">
21         <li class="nav-item active">
22           <a class="nav-link" href="/home"><p>Home</p> <span class="sr-only">(current)</span></a>
23         </li>
24         <li class="nav-item">
25           <a class="nav-link" href="/add">Add</a>
26         </li>
27         <li class="nav-item">
28           <a class="nav-link" href="/display">History</a>
29         </li>
30       </ul>
31     </div>
32   </nav>
```