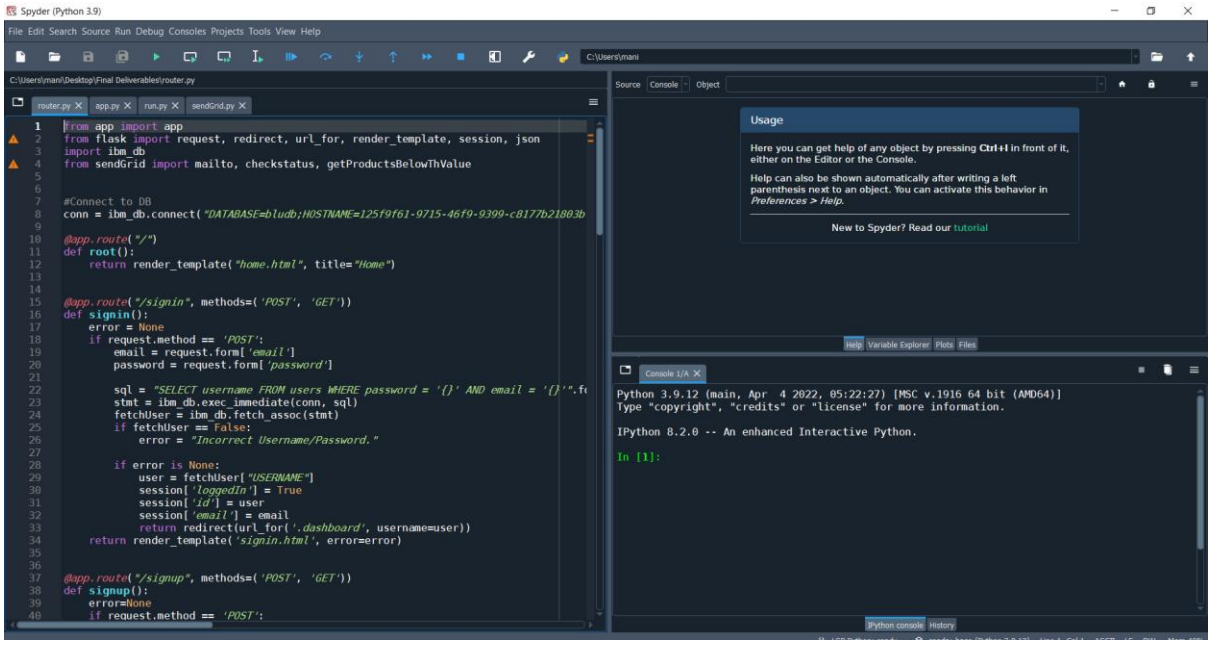
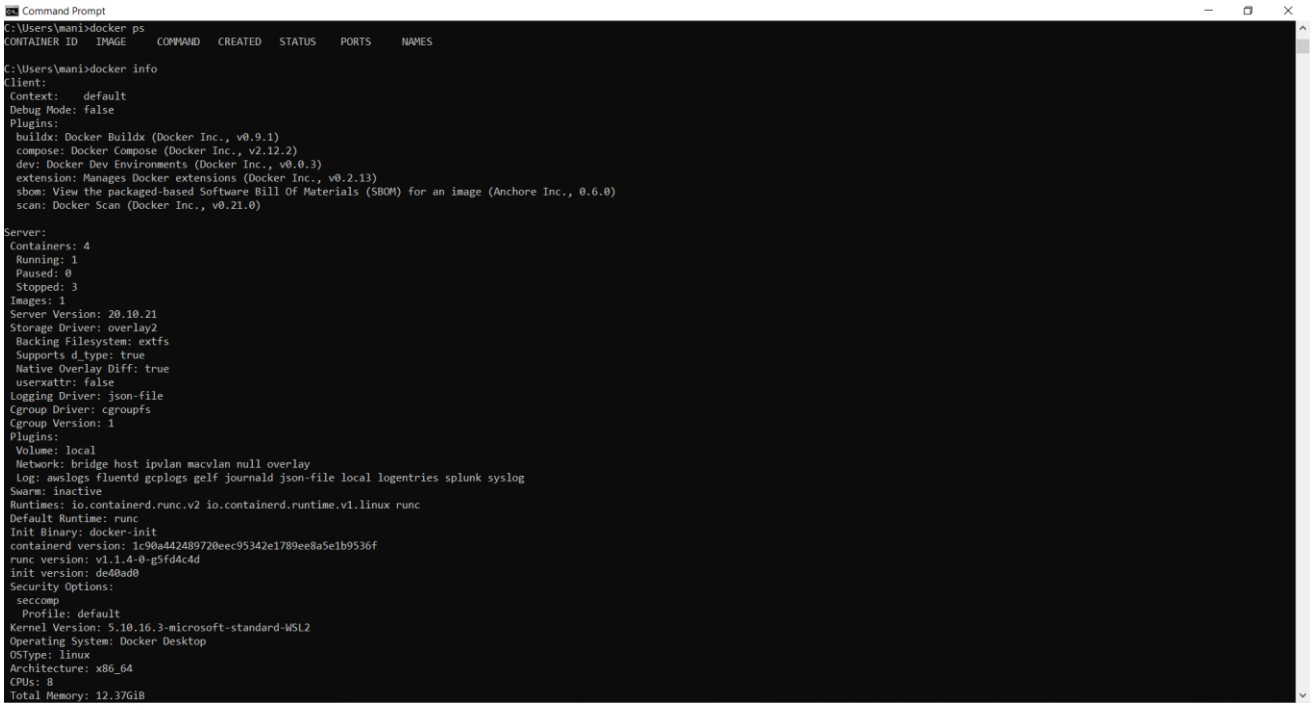
Team ID	PNT2022TMID04548
Project Name	Inventory Managment System for Retailers

Setting up application environment

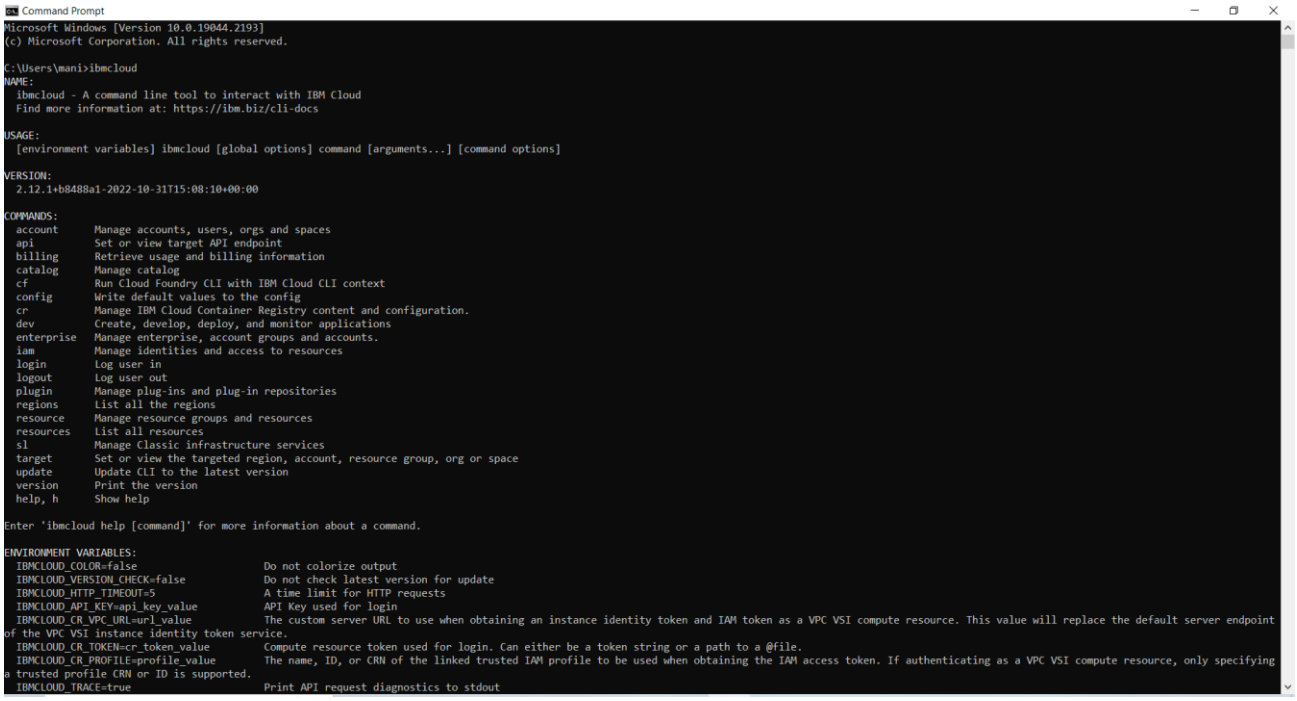
Flask Project



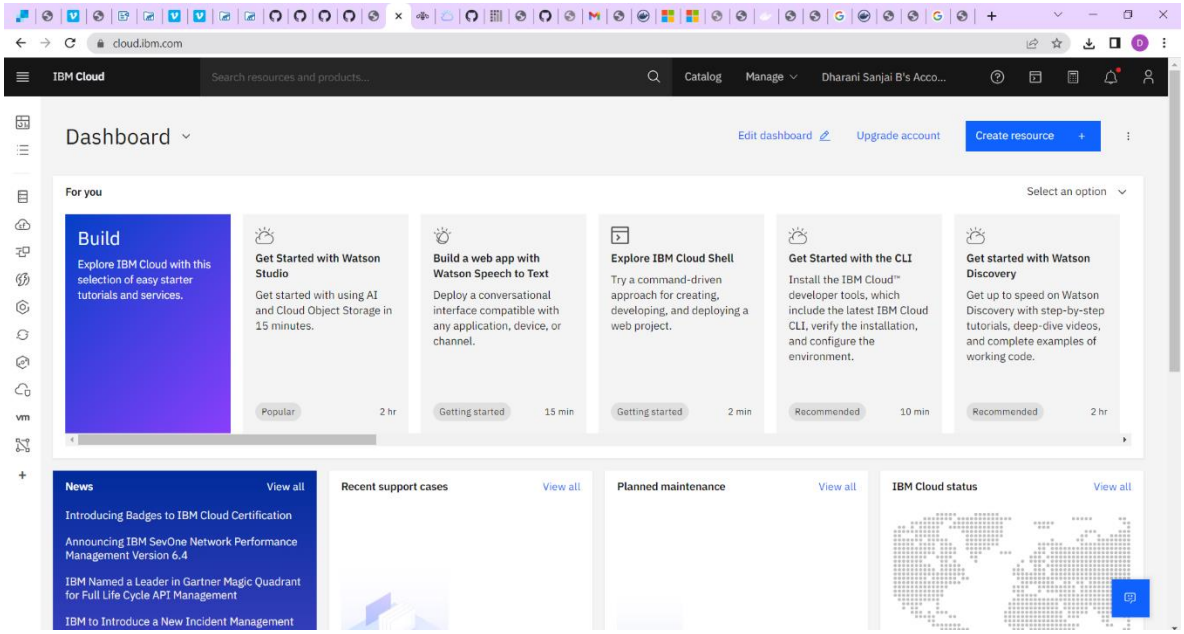
Docker Cli Installation



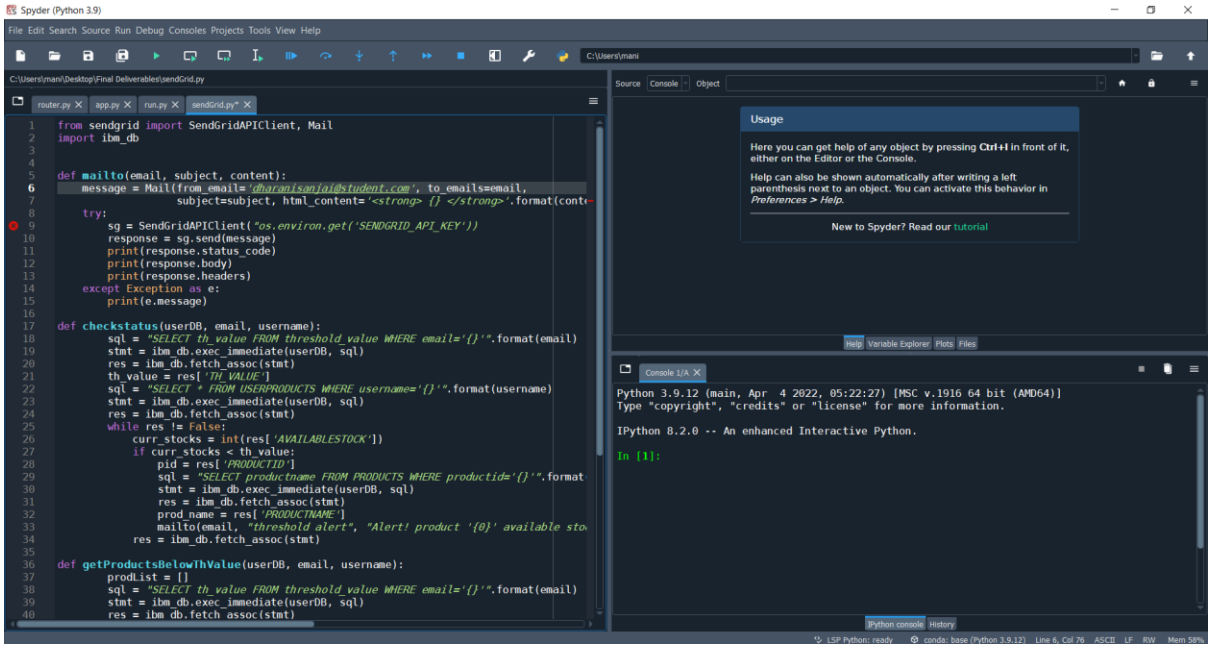
IBM cloud Cli Installation



Create ibm cloud account :



Sendgrid


Spyder (Python 3.9)
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Users\mani\Desktop\Final Deliverables\sendGrid.py
router.py
app.py
run.py
sendGrid.py*
from sendgrid import SendGridAPIClient, Mail
import ibm_db
def mailto(email, subject, content):
message = Mail(from_email='dharanisanjai@student.com', to_emails=email,
subject=subject, html_content=' {} '.format(cont
try:
sg = SendGridAPIClient("os.environ.get('SENDGRID_API_KEY')")
response = sg.send(message)
print(response.status_code)
print(response.body)
print(response.headers)
except Exception as e:
print(e.message)
def checkstatus(userDB, email, username):
sql = "SELECT th_value FROM threshold_value WHERE email='{}'".format(email)
stmt = ibm_db.exec_immediate(userDB, sql)
res = ibm_db.fetch_assoc(stmt)
th_value = res['TH_VALUE']
sql = "SELECT * FROM USERPRODUCTS WHERE username='{}'".format(username)
stmt = ibm_db.exec_immediate(userDB, sql)
res = ibm_db.fetch_assoc(stmt)
while res != False:
curr_stocks = int(res['AVAILABLESTOCK'])
if curr_stocks < th_value:
pid = res['PRODUCTID']
sql = "SELECT productname FROM PRODUCTS WHERE productid='{}'".format
stmt = ibm_db.exec_immediate(userDB, sql)
res = ibm_db.fetch_assoc(stmt)
prod_name = res['PRODUCTNAME']
mailto(email, "threshold alert", "Alert! product '{0}' available sto
res = ibm_db.fetch_assoc(stmt)
def getProductsBelowThValue(userDB, email, username):
prodList = []
sql = "SELECT th_value FROM threshold_value WHERE email='{}'".format(email)
stmt = ibm_db.exec_immediate(userDB, sql)
res = ibm_db.fetch_assoc(stmt)
Source
Console
Object
Usage
Here you can get help of any object by pressing Ctrl+I in front of it, either on the Editor or the Console.
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in Preferences > Help.
New to Spyder? Read our tutorial
Help
Variable Explorer
Plots
Files
Console 1/A
Python 3.9.12 (main, Apr 4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.
IPython 8.2.0 -- An enhanced Interactive Python.
In [1]:
Python console
History
LSP Python: ready
conda: base (Python 3.9.12)
Line 6, Col 76
ASCII
LF
RW
Mem 58%