FULL STACK DEVELOPER

MINI PROJECT IN PYTHON

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PUMO TECHNOVATION
INDIA PRIVATE LIMITED

PROJECT TITLE SHEET

PHARMACY MANAGEMENT IN PYTHON

Project Report Submitted

In partial fulfillment of the requirement for the proficient certificate course

Done By

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Under the guidance of

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ABOUT PUMO TECHNOVATION

- We are the India's Largest Design, Developer and Manufacture of Fracture CON ROD's also Owning Technical Campus Collaborated with world's leading companies like FANUC INDIA, MITSUBISHI CUTTING TOOLS, ACCURATE GAUGES, ADITYA MEASUREMENTS, RENISHAW & MITUTOYA (JAPAN).
- Our total lab setup is focused for engineer’s and industries updating requirements. the tech campus is completely accelerating under the guidance of industrial experts having 27+ years’ experience and young aspirants, Pumo Technovation is the first tech campus to have all facilities & labs in India to offer training courses and job assurance all under one roof.
- Pumo Technovation Training in IT, Electronics & Electricals creating experts for emerging technology industries and specialist technology jobs.
- A part of CADD Centre, which is Asia's largest CAD/CAM/CAE training institute.

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PROJECT OBJECTIVE

A Pharmacy Management Python mini-project with features to add medicine, sell medicine, and display stock is designed to manage essential pharmacy tasks. Here's an overview of its functionality:

1.Add Medicine: Users can input details like medicine name, batch number, expiry date, quantity, and price. The system stores this information in a database.

2.Sell Medicine: The system allows users to sell medicines by selecting the item from stock and adjusting the quantity. It automatically updates the stock levels after each sale.

3.Display Stock: Users can view the current stock, including available medicines, quantities, expiry dates, and other relevant details.

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HARDWARE AND SOFTWARE REQUIREMENTS:

HARDWARE :

✓ Device name	: **ASUS**
✓ Processor	:AMD Ryzen 5 5600H with Radeon Graphics
✓ Installed RAM	: 8.00 GB (7.40 GB usable)
✓ Device ID	:5795131D-6FF7-4593-8E53-5F093C77C644
✓ Product ID	:00342-42640-84714-AAOEM
✓ System type	: 64-bit operating system, x64-based processor
✓ Pen and touch	: No pen or touch input is available for this display

SOFTWARE:

✓PYCHARM
✓PYTHON

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SOURCE CODE:

```
pharmacy={}
def add(name,price,quantity):
    if name not in pharmacy:
        pharmacy[name] = {"quantity": quantity, "price": price}
        print("Added",quantity,"units of",name,"at Rs.",price,"each.")
    else:
        c=pharmacy[name].get("quantity")
        c+=quantity
        pharmacy[name].update({"quantity":c,"price":price})
        print("ADDED", quantity, "UNITS OF", name, "AT Rs.", price,
"EACH.")

def sell(name,b):
    if name not in pharmacy:
        print("THIS MEDICINE IS NOT AVAILABLE")
        return
    if pharmacy[name]["quantity"] < b:
        print(name, pharmacy[name].get("quantity"), "UNITS LEFT")
        return
    pharmacy[name]["quantity"] -= b
    total_amount = b * pharmacy[name]["price"]
    print(b,"UNITS OF",name,"Rs.",total_amount)
```

```
def intro():
    print("1.ADD MEDICINE.")
    print("2.SELL MEDICINE.")
    print("3.DISPLAY STOCK.")
    print("4.EXIT.")

def main():
    while True:
        intro()
        a=int(input("ENTER YOUR CHOICE :"))
        if a==1:
            name=input("ENTER MEDICINE NAME :")
            price=int(input("ENTER PRICE PER UNIT :"))
            quantity=int(input("ENTER MEDICINE QUANTITY :"))
            add(name,price,quantity)
        if a==3:
              print(pharmacy)
        if a==2:
            name=input("MEDICINE NAME:")
            b=int(input("QUANTITY:"))
            sell(name,b)

        if a==4:
            break


main()
```

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COMPLETE THE PROGRAM

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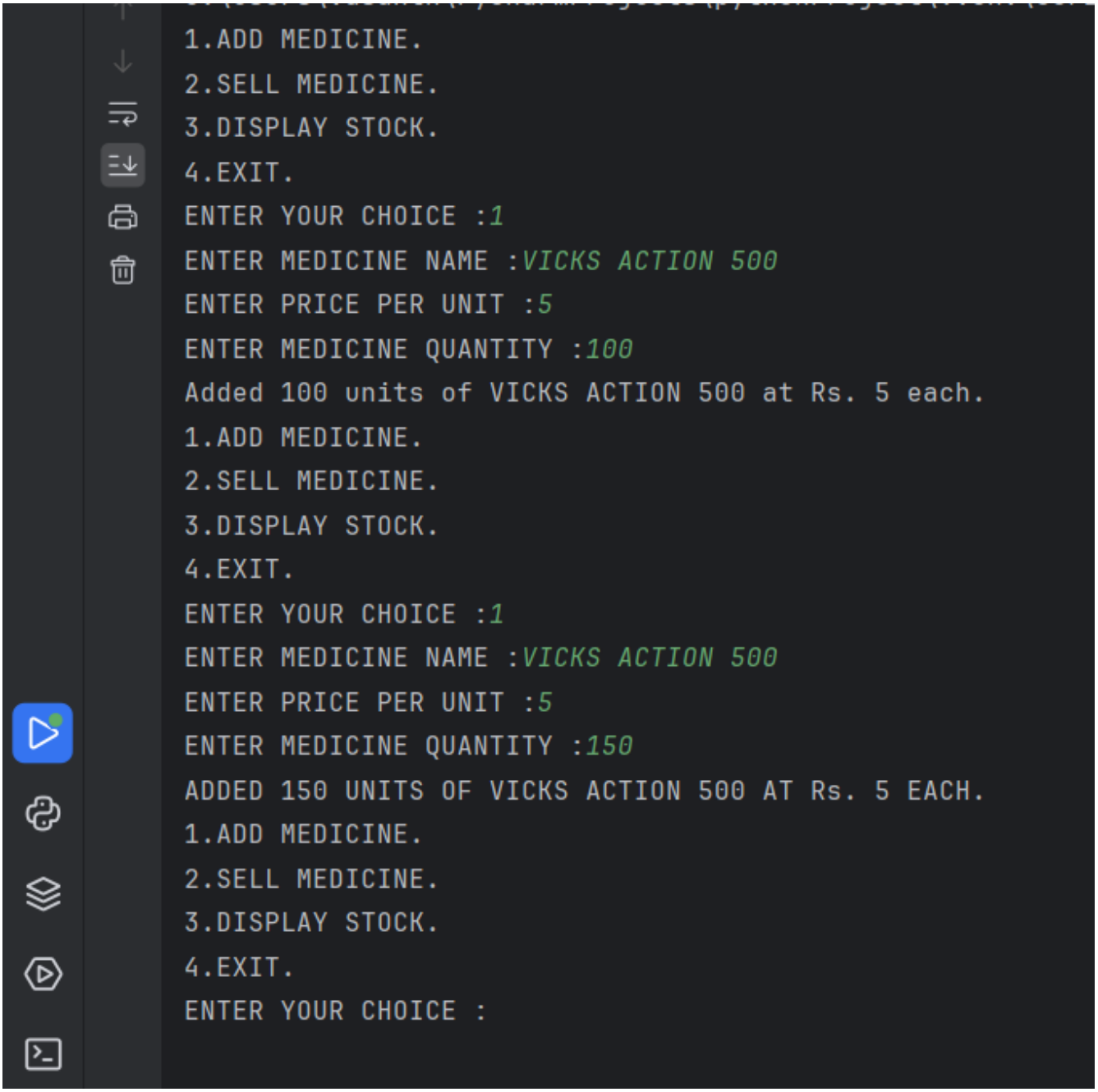
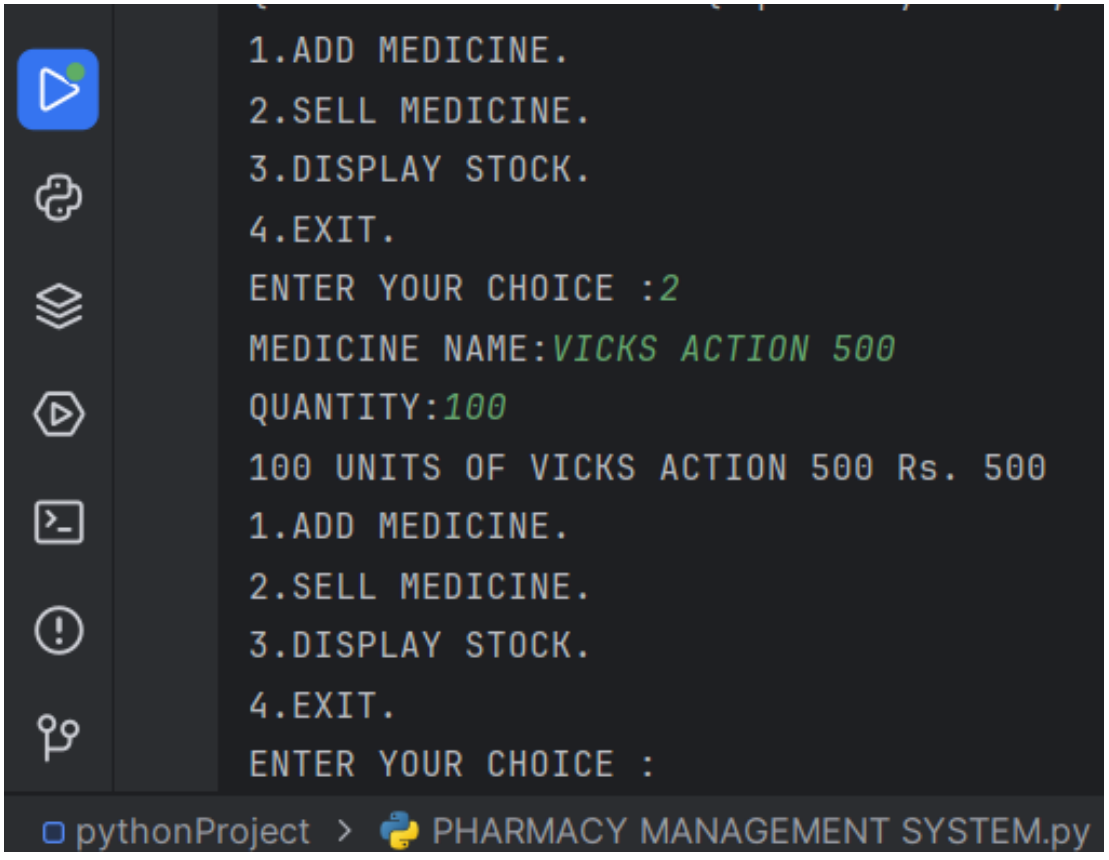
OUTPUT:

ADD MEDICINE:



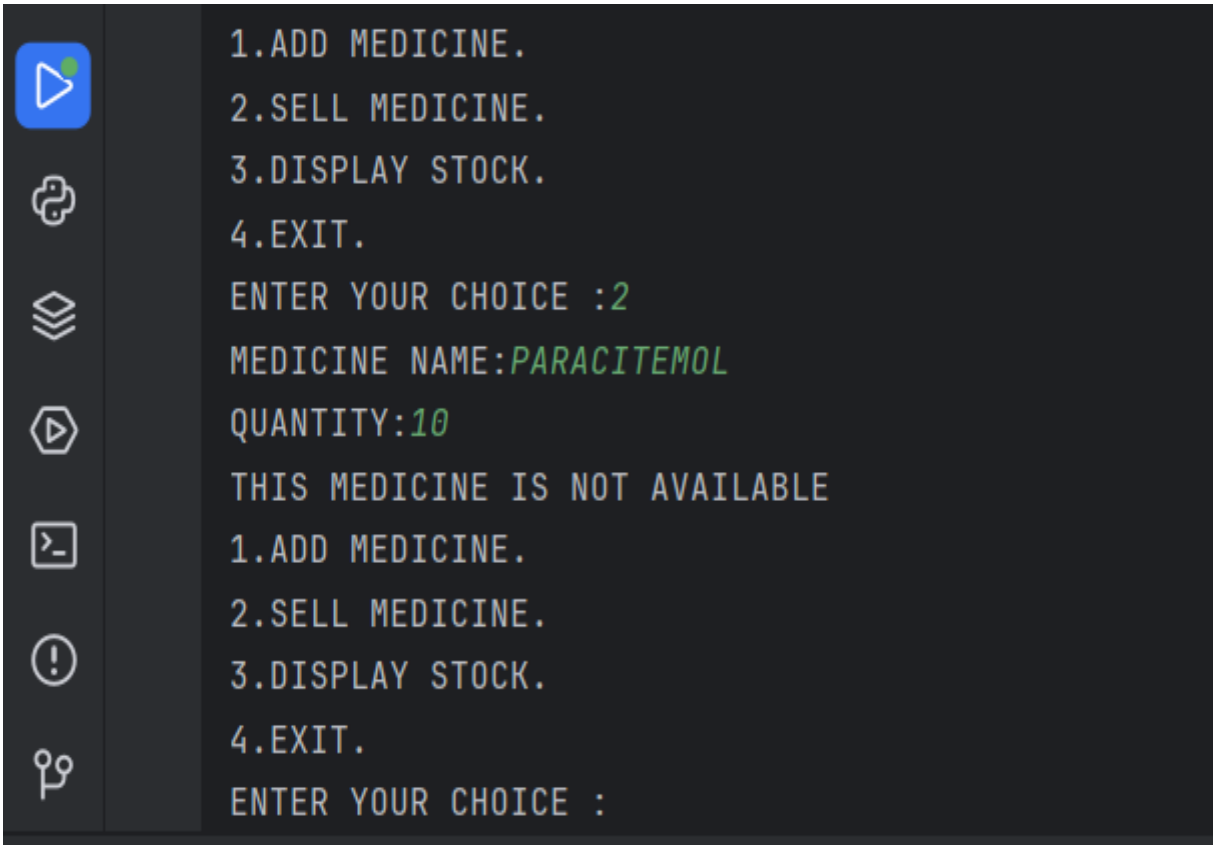
OUTPUT:

SELL MEDICINE:



OUTPUT:

SELL MEDICINE(NOT AVAILABLE):



OUTPUT:

DISPLAY STOCK: