

pythonProject2

main.py

Project

pythonProject2

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max number of jumps.py

paranthesis.py

parenthesis.py

possible combinations.py

profit.py

binary numbers.py

main.py

permute.p

23

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v

```
1 def maxProfit(price, n):
2     profit = [0]*n
3     max_price = price[n-1]
4     for i in range(n-2, 0, -1):
5         if price[i] > max_price:
6             max_price = price[i]
7     profit[i] = max(profit[i+1], max_price - price[i])
8     min_price = price[0]
9     for i in range(1, n):
10        if price[i] < min_price:
11            min_price = price[i]
12        profit[i] = max(profit[i-1], profit[i]+(price[i]-min_price))
13    result = profit[n-1]
14    return result
15    price = [7,1,5,3,6,4]
16    print("Maximum profit is:", maxProfit(price, len(price)))
```

Run

Python Packages

TODO

Python Console

Problems

Terminal

Services

C:\Users\shaik\PycharmProjects\pythonProject2\venv\Scripts\python.exe C:/Users/shaik/PycharmProjects/pythonProject2/main.py

Maximum profit is: 7

Process finished with exit code 0

Version Control

Run

Python Packages

TODO

Python Console

Problems

Terminal

Services

16:59

CRLF

UTF-8

4 spaces

Python 3.9 (pythonProject2)

32°C

Mostly sunny

Windows

Search

Task View

Microsoft Edge

Google Chrome

Opera

WhatsApp

Telegram

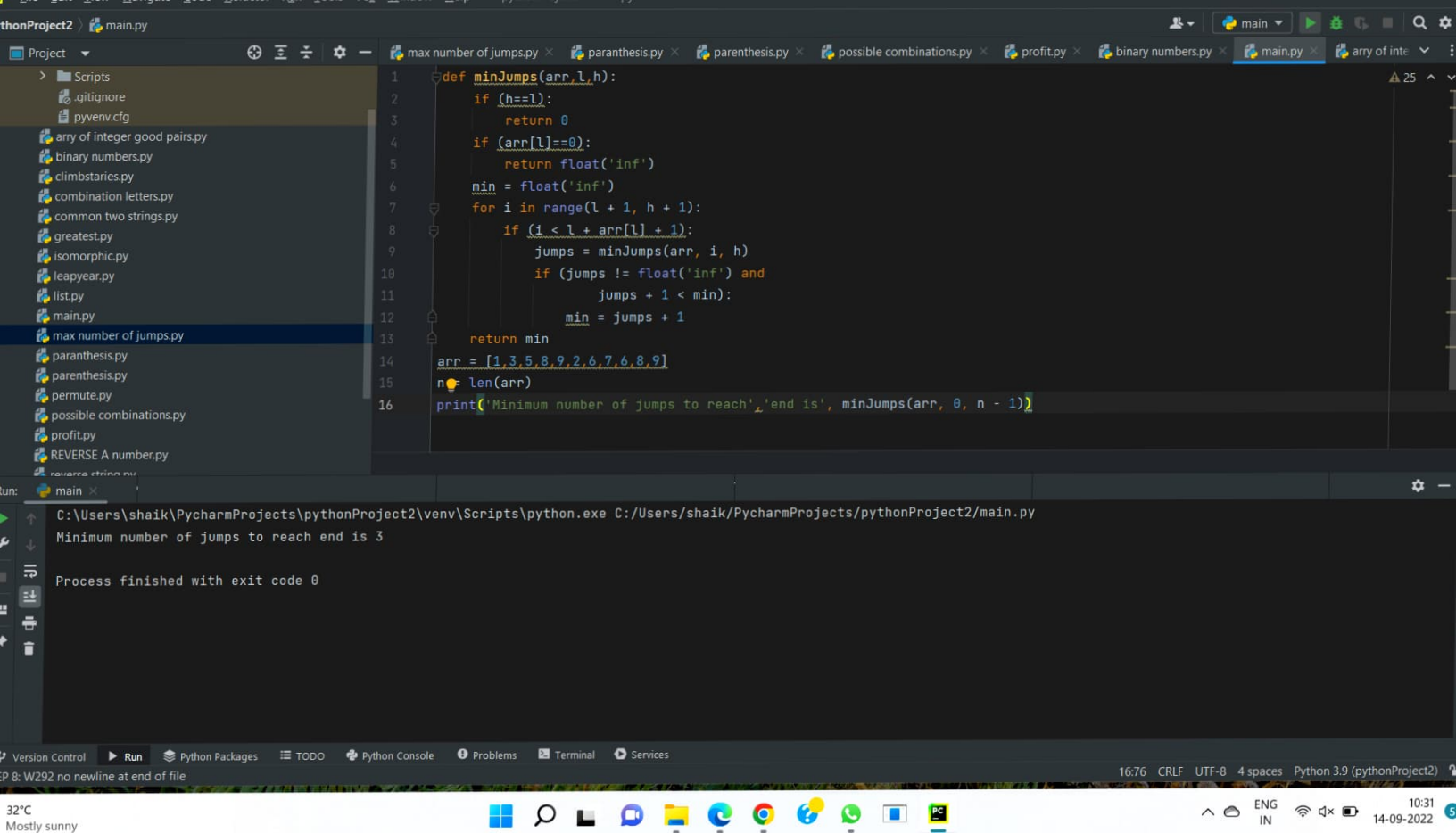
PC

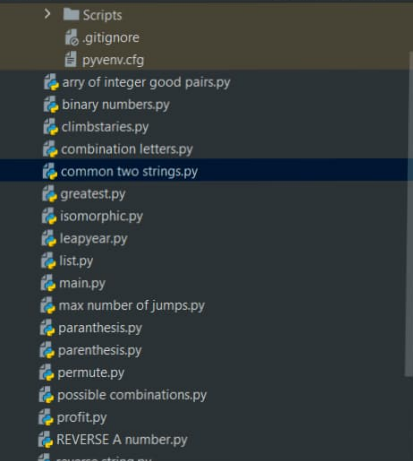
ENG

IN

10:29

14-09-2022





```
2  if m == 0:
3      return n
4  if n == 0:
5      return m
6  if str1[m-1] == str2[n-1]:
7      return editDistance(str1, str2, m-1, n-1)
8  return 1 + min(editDistance(str1, str2, m, n-1),
9                 editDistance(str1, str2, m-1, n),
10                 editDistance(str1, str2, m-1, n-1))
11 )
12 str1 = "horse"
13 str2 = "ros"
14 print(editDistance(str1, str2, len(str1), len(str2)))
```

C:\Users\shaik\PycharmProjects\pythonProject2\venv\Scripts\python.exe C:/Users/shaik/PycharmProjects/pythonProject2/main.py

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Process finished with exit code 0

