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Object Oriented Programming

1-bank.py U2-twtr.py U3-tip.py U4-taqueria.py U5-adieu.py U

EXPLORER

OBJECT ORIENTED PROGRAMMING

02-04-202405-03-202406-02-202416-04-202425-01-202427-02-202430-01-2024Final-Project(20-05-2024)

1-bank.py2-twtr.py3-tip.py4-taqueria.py5-adieu.py

Midterms (19-03-2024)Prelims (20-02-2024)Semifinals (30-04-2024)

OUTLINETIMELINEVS CODE PETS

Final-Project(20-05-2024) > 1-bank.py > ...

def main():
 try:
 greeting = input("Greeting: ").strip().lower()
 print(["\$100", "\$20", "\$0"][greeting.startswith("h") + greeting.startswith("hello")])
 except (IndexError, ValueError):
 print("Invalid Input")
main()

PROBLEMSOUTPUTDEBUG CONSOLEPORTSTERMINAL

powershell

Name: Lies1
PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)> python .\1-bank.py
Greeting: Hello, Newman
\$0
PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)> python .\1-bank.py
Greeting: Hey
\$20
PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)> python .\1-bank.py
Greeting: How you doing?
\$20
PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)> python .\1-bank.py
Greeting: What's happening?
\$100
PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)>

master*00Connected to Discord

Ln 8, Col 7Spaces: 3UTF-8CRLFPython 3.12.3 64-bit (Microsoft Store)Go Live

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ENG3:34 pm

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Object Oriented Programming

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EXPLORER

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Final-Project(20-05-2024) > 2-twtr.py > main

1def main():

2try:

3text = input("Input: ")

4except EOFError:

5print("Invalid Input")

6return

7

8letters = ['a', 'e', 'i', 'o', 'u']

9output = ''

10for c in text:

11if c.lower() not in letters:

12output += c

13print(output)

14

15main()

PROBLEMS

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powershell

PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)> python .\2-twtr.py

Input: Twitter

Twtrr

PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)> python .\2-twtr.py

Input: What's your name?

Wht's yr nm?

PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)>

OUTLINE

TIMELINE

VS CODE PETS

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Python

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Final-Project(20-05-2024) > 3-tip.py > main

def main():

try:

dollars = dollars_to_float(input("How much was the meal? "))

except ValueError:

print("Invalid Input")

return

try:

percent = percent_to_float(input("What percentage would you like to tip? "))

except ValueError:

print("Invalid Input")

return

tip = dollars * percent

print(f"Leave \${tip:.2f}")

def dollars_to_float(d):

dollars = d.replace('\$', '')

return float(dollars)

def percent_to_float(p):

percent = p.replace('%', '')

return float(percent) / 100.0

main()

PROBLEMS

OUTPUT

DEBUG CONSOLE

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TERMINAL

powershell

PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)> python .\3-tip.py

How much was the meal? \$50.00

What percentage would you like to tip? 15%

Leave \$7.50

PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)>

OUTLINE

TIMELINE

VS CODE PETS

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Python

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Object Oriented Programming

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Semifinals (30-04-2024)

Final-Project(20-05-2024) > 4-taqueria.py > ...

1 menu = {

2 "Baja Taco": 4.25,

3 "Burrito": 7.50,

4 "Bowl": 8.50,

5 "Nachos": 11.00,

6 "Quesadilla": 8.50,

7 "Super Burrito": 8.50,

8 "Super Quesadilla": 9.50,

9 "Taco": 3.00,

10 "Tortilla Salad": 8.00

11 }

12

13 total = 0

14

15 try:

16 while True:

17 food = input("Item: ").title()

18 if food in menu:

19 total += menu[food]

20 print(f"Total: \${total:.2f}")

21 else:

22 continue

23 except EOFError:

24 print(f"Grand Total: \${total:.2f}")

PROBLEMS

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TERMINAL

powershell

PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)> python .\4-taqueria.py

Item: burrito

Total: \$7.50

Item: large quesadilla

Item: super quesadilla

Total: \$17.00

Item: taco

Total: \$20.00

Item: ^Z

Grand Total: \$20.00

PS C:\Users\Patriach\Desktop\Object Oriented Programming\Final-Project(20-05-2024)>

OUTLINE

TIMELINE

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Python

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Object Oriented Programming

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1from inflect import engine2p = engine()3name = []4while True:5try:6user_input = input("Name: ")7name.append(user_input)8except EOFError:9break10if len(name) == 1:11N = name[0]12elif len(name) == 2:13N = p.join(name)14else:15N = ", ".join(name[:-1]) + ", and " + name[-1]16print("Adieu, adieu, to " + N)

PROBLEMSOUTPUTDEBUG CONSOLEPORTSTERMINAL

powershell

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