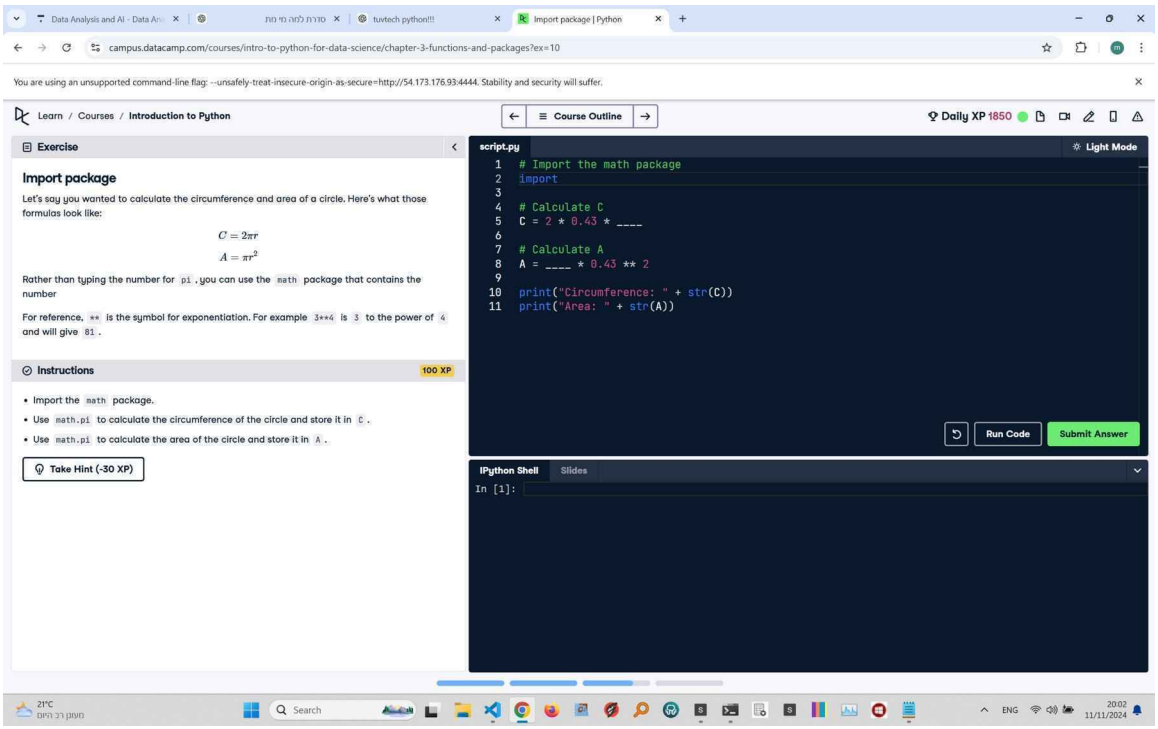
Import Package - Python Exercise

Below is the image provided along with the recreated question, terminal output, and answer:



Recreated Question and Terminal

Import Package

Let's say you wanted to calculate the circumference and area of a circle. Here's what those formulas look like:

$C = 2\pi r$

$A = \pi r^2$

Rather than typing the number for π, you can use the math package that contains the number.

For reference, ** is the symbol for exponentiation. For example, 3**4 is 3 to the power of 4 and will give 81.

Instructions:

- Import the math package.
- Use math.pi to calculate the circumference of the circle and store it in C.
- Use math.pi to calculate the area of the circle and store it in A.

Answer

```
# Import the math package
import math

# Calculate C
C = 2 * math.pi * 0.43

# Calculate A
A = math.pi * 0.43 ** 2

print("Circumference: " + str(C))
print("Area: " + str(A))
```

Explanation of the Answer

The math package is imported to access the constant math.pi, representing π. The circumference is calculated using the formula $2\pi r$, where r is 0.43. The area is calculated using πr^2, with r raised to the power of 2. The results are printed using the print() function.