2) Execute with one example Lambda Functions in Python
Read JSON Strings to Python dicts or lists

a) Lambda functions in Python

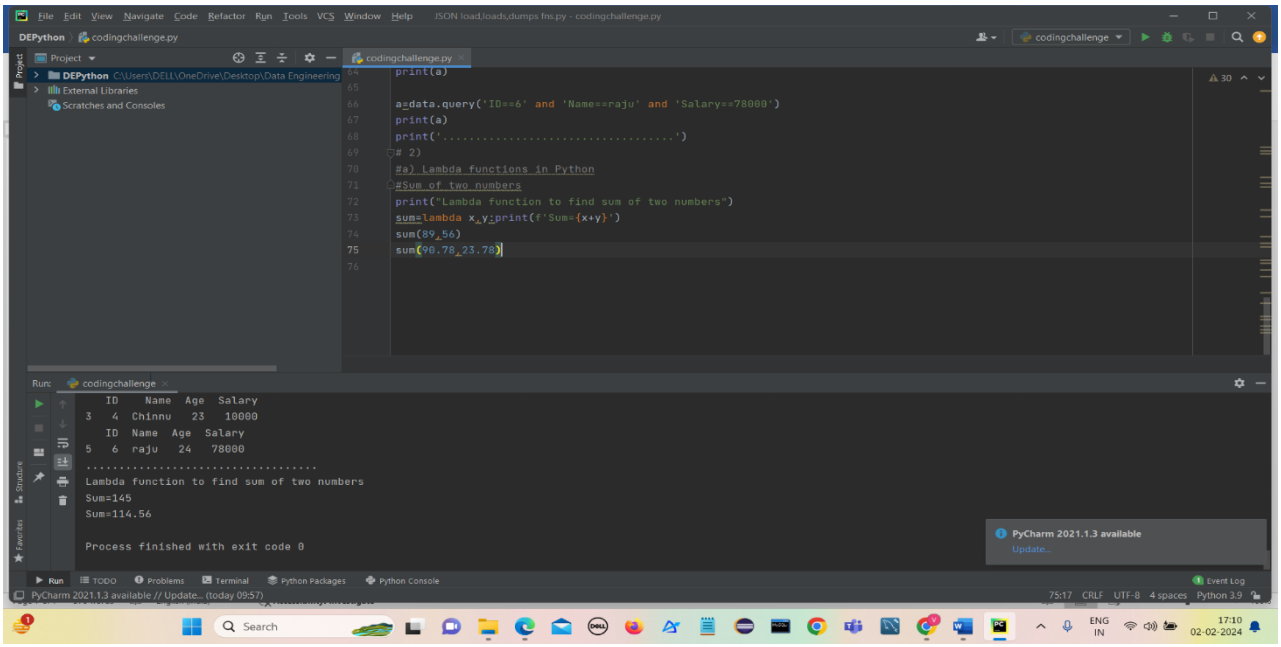
Python Lambda Functions are anonymous functions means that the function is without a name.

Syntax: lambda arguments : expression

This function can have any number of arguments but only one expression, which is evaluated and returned.

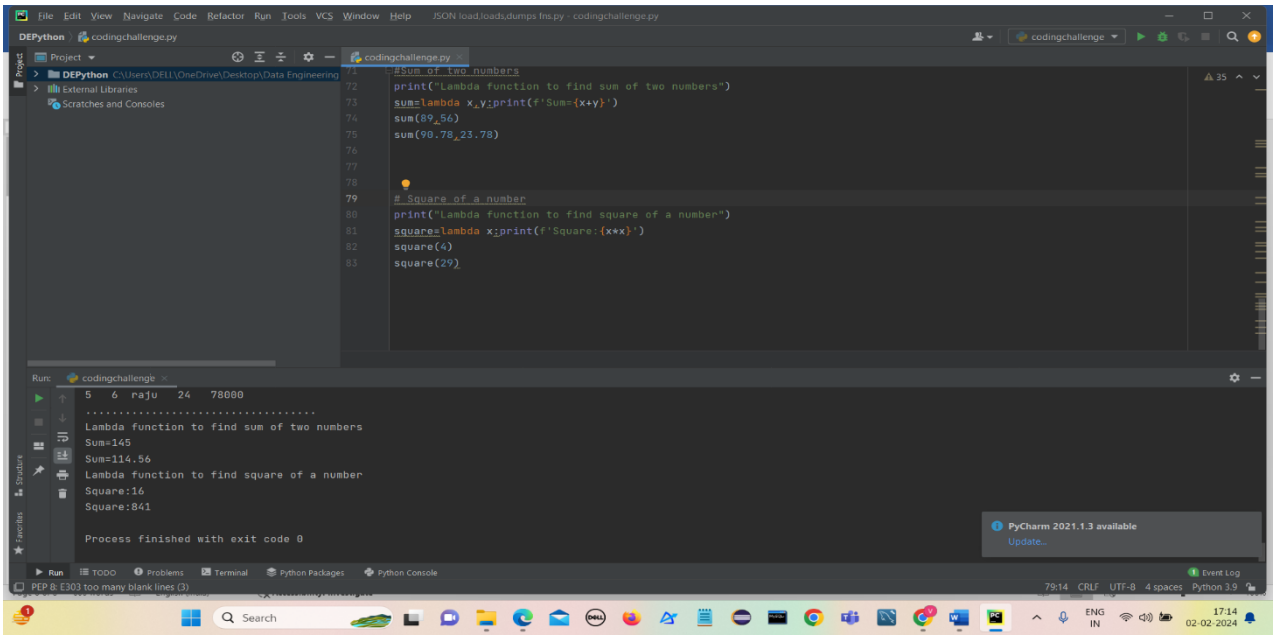
Example-1

Find sum of two numbers



In this code lambda function is used to find the sum of two numbers which takes two parameters x and y and returns sum x+y.

Example-2
Square of a number



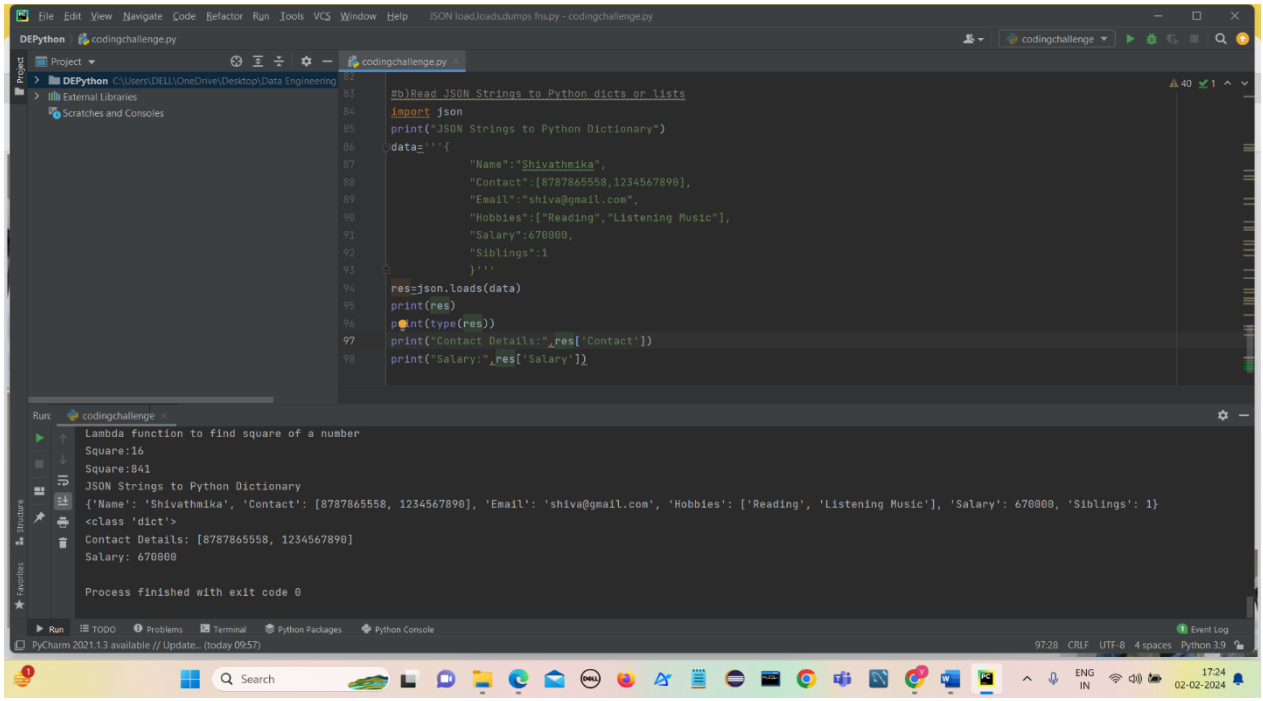
In this code lambda function is used to find square of a number which takes x as parameter and returns the value x*x which is a square of a number.

b) Read JSON Strings to Python dicts or lists

Json.loads(): converts JSON string into Python Dictionary

- import json module .
- Define JSON .
- Convert JSON string to Python dictionary by passing it to json.loads() in parameter.
- Print the dictionary and their values using the keys.

Example



In the above code **json.loads()** is used to convert a JSON string into python dictionary.

The type of **res** obtained is also **dictionary.** We can also retrieve the particular details by passing the required field like **contact, salary as a key** to dictionary **res** to get the results.