Assignment no.2

Submission date: Wed 14/08/2024

Q1: Write a function called **tri_area** that returns the area of a triangle with base **b** and height **h,** where **b** and **h** are input arguments of the function in that order.

Q2: Write a function called **corners** that takes a matrix as an input argument and returns four outputs: the elements at its four corners in this order: **top_left**, **top_right**, **bottom_left** and **bottom_right**. (Note that loops and if-statements are neither necessary nor allowed as we have not covered them yet.) See an example run below:

Q3: Write a function called **taxi_fare** that computes the fare of a taxi ride. It takes two inputs: the distance in kilometers (**d**) and the amount of wait time in minutes (**t**). The fare is calculated like this:

- the first km is $5
- every additional km is $2
- and every minute of waiting is $0.25.

Once a km is started, it counts as a whole (Hint: consider the **ceil** built-in function). The same rule applies to wait times. You can assume that **d >0** and **t >= 0** but they are not necessarily integers**.** The function returns the fare in dollars. For example, a 3.5-km ride with 2.25 minutes of wait costs $11.75. Note that loops and if-statements are neither necessary nor allowed.

Note: Please submit this assignment as a PDF, including both your code and the corresponding results. Kindly share the file via WhatsApp at 03096078248.