Q1. import numpy as np
    arr = np.array([1,3,9,5,2])
Write down the program to filter the numpy subarray that has all elements less than 3

Q2. a = np.array([[1,2,31,45],
                [4,11,23,8],
                [7,18,20,6]])
Write down the instruction so that you can extract [[2,31],[11,23]] from the a.

Q3. List1 = ["Red", "Blue", [20,3,10,5], "Green"]
Write down the code to extract the sub-list [3,10] from the List1.

Q4. dict = {
"color": "Black",
"model": "Samsung",
"year": 2022
}
Write down the instruction so that it prints all the keys from this dictionary

Q5. Arr = [10,-3,5,6,7,3,-1,15,2]
Write the code to find out the maximum number from this array.

Q6. Write a python class named "Direction"; add three attributes and initialize them using the constructor.

Q7. Name = "A"
    Age = 20
    Print(….)
Write down the statement inside the print function so that it prints "A is aged 20" using f-string where A is the value of "Name" and 20 is the value of "Age".

Q8. L = [[1,6,7],
        [3, 5],
        [1,3,2]]
Can you convert this 2-D list to a 2-D integer numpy array? Justify your answer in a single line.