## **Unit 2.2 Graded Assignment: Build a matrix**

## **Instructions:**

Build a 6x4 matrix of random numbers.
Using slicing, replace rows 5-6 of the matrix so that the 5<sup>th</sup> row becomes a sum of the 1<sup>st</sup> and the 3<sup>rd</sup> row, and the 6<sup>th</sup> row becomes a sum of the 2<sup>nd</sup> and the 4<sup>th</sup>.

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## **Solution:**

First we are gonna import numpy library and use np.random.randint(1,9,24).reshape(6,4) to create an array of random integers from 1-9 with shape 6,4. The as per instructed we are gonna use slicing to get the sum of row  $5^{th}$  and  $6^{th}$  which is goven us the required solution.