

Task -1

Here you have to generate a secure QR Code and decrypt it back. The code should be strictly in **Python**. The steps involved in doing the same are given below.

- 1) Take a matrix of dimension 2x2 having random numbers between 0 to 1.
- 2) Change the floating values to the integers.
- 3) Encrypt the matrix to a QR code.
- 4) During encryption make your QR code secure by applying the RSA algorithm.
- 5) Decrypt the QR code.
- 6) Give the private key to decrypt the matrix.
- 7) Conver back the integer values to a floating point.

Submission Deadline - 24th May 2023.