To register

curl -X POST https://generate-tech-app.xyz/register -H 'Content-Type: application/json' -d '{\"name\": \"Vasumathi Narayanan\", \"nuid\": \”002914589\”}'

to get token using nuid:

curl https://generate-tech-app.xyz/forgot\_token/002914589

python code using dictionary

string="GCTGCGCAACATGGTCGATGACGGGAAATTAATCTTTCAACTCAGTGACCTCGTGCCTCGCTCATGGTGAACTGTGTATTAACGAGATTTTGGTCTGAAG"

dictionary = {}

k=3

n= len(string)+1-k

for i in range(n):

sliced\_kmer = string[i:i+k]

if sliced\_kmer not in dictionary:

dictionary[sliced\_kmer] = 0

dictionary[sliced\_kmer] += 1

print(dictionary)

output:

{'GCT': 2, 'CTG': 3, 'TGC': 2, 'GCG': 1, 'CGC': 2, 'GCA': 1, 'CAA': 2, 'AAC': 4, 'ACA': 1, 'CAT': 2, 'ATG': 3, 'TGG': 3, 'GGT': 3, 'GTC': 2, 'TCG': 3, 'CGA': 2, 'GAT': 2, 'TGA': 4, 'GAC': 2, 'ACG': 2, 'CGG': 1, 'GGG': 1, 'GGA': 1, 'GAA': 3, 'AAA': 1, 'AAT': 2, 'ATT': 3, 'TTA': 2, 'TAA': 2, 'ATC': 1, 'TCT': 2, 'CTT': 1, 'TTT': 3, 'TTC': 1, 'TCA': 3, 'ACT': 2, 'CTC': 4, 'CAG': 1, 'AGT': 1, 'GTG': 4, 'ACC': 1, 'CCT': 2, 'CGT': 1, 'GCC': 1, 'TGT': 2, 'GTA': 1, 'TAT': 1, 'GAG': 1, 'AGA': 1, 'TTG': 1, 'AAG': 1}

post the solution to end point as a json:

curl -X POST https://generate-tech-app.xyz/submit/1a0e8221-fbf5-44f8-92b6-d91af00d1b10 -H "Content-Type:application/json" –d ”{\"GCT\": 2, \"CTG\": 3, \"TGC\": 2, \"GCG\": 1, \"CGC\": 2, \"GCA\": 1, \"CAA\": 2, \"AAC\": 4, \"ACA\": 1, \"CAT\": 2, \"ATG\": 3, \"TGG\": 3, \"GGT\": 3, \"GTC\": 2, \"TCG\": 3, \"CGA\": 2, \"GAT\": 2, \"TGA\": 4, \"GAC\": 2, \"ACG\": 2, \"CGG\": 1, \"GGG\": 1, \"GGA\": 1, \"GAA\": 3, \"AAA\": 1, \"AAT\": 2, \"ATT\": 3, \"TTA\": 2, \"TAA\": 2, \"ATC\": 1, \"TCT\": 2, \"CTT\": 1, \"TTT\": 3, \"TTC\": 1, \"TCA\": 3, \"ACT\": 2, \"CTC\": 4, \"CAG\": 1, \"AGT\": 1, \"GTG\": 4, \"ACC\": 1, \"CCT\": 2, \"CGT\": 1, \"GCC\": 1, \"TGT\": 2, \"GTA\": 1, \"TAT\": 1, \"GAG\": 1, \"AGA\": 1, \"TTG\": 1, \"AAG\": 1}”