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ROLL NUMBER: 546

COURSE: MSc CS

SUBJECT: BIOINFORMATICS

TOPIC: MOTIF FINDING

Practical No: 6

Aim: Write a Python/Java code to find motif in a given sequence. Code: import random l=int(input("Enter the length of motif")) file=open("mot.txt","r") r=file.read() print("Sequence",r) size=len(r) print("Size of the sequence",size) pos=random.randint(0,len(r)-5) #pos=1 print("Position",pos) motif=r[pos:pos+l] print("Motif",motif) i=pos+1 while(i<=size-1): if(motif==r[i:i+1]): str1=r[i:i+1] print("Match motif",str1) file1=open("motoutput.txt","a") file1.write(str1+" ") i+=1

OUPUT:

🧎 *IDLE Shell 3.11.0* —		×	
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Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] Type "help", "copyright", "credits" or "license()" for more information.		132	^
Type "help", "copyright", "credits" or "license()" for more information.			
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