## Question 4!

## Clair & Find Genome of

```
fondine static void main (storny args[]) }
     Scanner Reyboard = now Scanner (Jystem.In);
System.out.formth ("Please Enter the Genome");
     String genome = kees board next subs.
      Stong Start = "ATG";
      String end! = 1 TAG";
        String ender "TAA";
        String end3 = MTGAM;
       int flag = 0;
     Char[] valid = genome to CharArray ();
  for lint i=0; ix valid length; C++) &
      Swetch (valid Li ) &
             Case 'A!
              Case 'T1:
                   break;
                    flugz1;
             System. out. priently ("Invalved Sight").
```

that 1200 15 System. out. println ("Genes:"); int a, b, c, d for (int 100; ix general length; i++) of ite a = geneme endenOf(Hart, i); ef (92=-1) ent &= generie inder Of (end!, a+3); int c= genome under Of (ender a+3). unt de genemes inder of (end 3, 9+3). if (a = = -1) break; The b = genome-inden Of (end 4, a+3); (a) c= genome. inden Of (end 4 a+3); d = genome- under Of (end 3, a+3); if (b = =-1) b = genome.longth () +30; of (c==-1) c=genome-longth()+30; ef (d==-1) d=genome-length()=50; of labre es bed) ehr of (chb sechd) elx gzd; if / b> general. length () Le of> grenome. length () Le c> general. length ()) break;

String gene: gene. Inbothing 1913, 3;

ef (gene. length ()% 3 = =0) {

- & (!gene. equals (Ptort))

System.out. println (gan);

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