Assignment 2 - Design paf

```
newton.c
# define Counter
int Sqrt-newtonl) &
                            python (will have to swith)
 Z=0.0
V=1.0
While abs Ly-Z) > epsilon:
  Y=05 (Z+X/Z)
 veturn y
3
Sqrt_newton_iters () & # all term liters counters will Collaw ones
   counter +=1
  Ycturn counter
e.c
Static Counter
ec){
                                (h1)! K
K=1.0
preut = 0.0
 while (absl k-preut) > Epsilon 14 * NO 100ps SO pt. K
  preut= (k.preut)
  y= Upreut
   k+=1
  e-terms()
returny // 1/2 / 2K+1 .- 3K
Mad hava c
t=Sqt_newton (12); ZK+1 K=0=1+2
                              -30= 1.3
//Finding oth term
 10t : 1
 nt = tt | bt
 uniu Int-pt) > Epsilon &
    pt=nt
   temp1=(2\cdot k)+1;
    for (int i=1; i) k; i++)&
    lemp2= -3=3
                        * no for loop
   bt = bempl- temp 2
  nt= tt/bt
     K+=1
  retun nt:
```

```
euur.c
                        I the most compute one 1
   K=1 * beginning have
  pt = 0 * previous berm
  while k> epsilon &
  bottomFact = K.K * K2
  Nt= 1/bottom fact * tz
   x= pt+nt *x= 0 + k2
   pt=x *storing previous term
  K+=1 * Incrementing k

X= x.10 * Mult by le the sumation
  Squet k) # Vo. Z to
 ryurn 6
bbp.c
Pi_bbp&
 K=1.0 * Set to first
 pt=0.0 * no previous
  While "k-0.01> epsilon&
   tt=(K(120 k +151) +47) + top term
   bt= lklklkl512.k+1024)+112)+194)+15) * bottom term
   pt: tt/bt * tt
    X= 116 * Seting mutiple 100
    for line i = 1; i < k; i + + ) {
     x= 1110.x * 16-1
     pt= x·pt 16-1. to
 return pt
viete.c
  K= 1.0
  pt=0.0
  while labslu-pt) > = ps) &
      for lint i=0; i>k, i++){
       pt = 2 + pt
          pt= squt (pt)
     pt= pt/2
    double x = 0.0
   x= 2 | pb:
    vetum x
```