# some-code

some code in c

#include<stdio.h>

int aseries(int);

int bseries(int);

int cseries(int);

int dseries(int);

main()

{

int n;

printf("enter the no of terms");

scanf("%d",&n);

printf("the series is");

if(n>0)

{

aseries(n);

bseries(n);

cseries(n);

dseries(n);

}

else

printf("invalid no of terms");

}

int aseries(int a)

{

printf("\n");

int t1=2,t2=10,t3,i;

if(a==1)

printf("%d",t1);

else if(a>=2)

{

printf("%d %d",t1,t2);

for(i=3; i<=a; i++)

{

t3=t2+t2-t1+6;

printf(" %d",t3);

t1=t2;

t2=t3;

}

}

}

int bseries(int b)

{

printf("\n");

int t1=2,t2=6,t3,i;

if(b==1)

printf("%d",t1);

else if(b>=2)

{

printf("%d %d",t1,t2);

for(i=3; i<=b; i++)

{

t3=t2+t2-t1+2;

printf(" %d",t3);

t1=t2;

t2=t3;

}

}

}

int cseries(int c)

{

printf("\n");

int t1=1,t2=3,t3,i;

if(c==1)

printf("%d",t1);

else if(c>=2)

{

printf("%d %d",t1,t2);

for(i=3; i<=c; i++)

{

t3=t2+t2-t1+1;

printf(" %d",t3);

t1=t2;

t2=t3;

}

}

}

int dseries(int d)

{

printf("\n");

int i;

for(i=1; i<=d; i++)

if(i%2==0)

printf(" %d",i\*i);

else

printf(" %d",i\*i\*i);

}