#include<pthread.h>

#include<stdio.h>

int goal=0;

long fib[500];

void \*runner(void \*param)

{

if(goal<=0)

pthread\_exit(0);

fib[0]=0;

if(goal>1)

{

fib[1]=1;

for(int i=2;i<goal;i++)

fib[i]=fib[i-1]+fib[i-2];

pthread\_exit(0);

}

}

int main(int argc, char \*argv[])

{

pthread\_t tid;

pthread\_attr\_t attr;

pthread\_attr\_init(&attr);

printf("Print this many Fibonacci numbers: ");

scanf("%d", &goal);

if(goal>500)

{

printf("Printing as many as possible: 500\n");

goal = 500;

}

pthread\_create(&tid,&attr,runner,argv[1]);

pthread\_join(tid, NULL);

if(goal>0)

{

printf("%ld", fib[0]);

}

for (int i=1;i<goal;i++)

{

printf(", %ld", fib[i]);

}

printf("\n");

return 0;

}