#include<stdio.h>

#include<stdlib.h>

#include<pthread.h>

#include<unistd.h>

#include<sys/types.h>

int a[10];

int count=0;

void\* producer()

{

while(1)

{

int x=rand()%100;

if(count==10)

{

sleep(2);

}

a[count]=x;

printf("produce item: %d\n",x);

count=count+1;

}

}

void\* consumer()

{

while(1)

{

int y;

if(count==0)

{

sleep(2);

}

y=a[count];

count=count-1;

printf("counsume item: %d\n",y);

}

}

int main()

{

pthread\_t t1,t2;

pthread\_create(&t1,NULL,&producer,NULL);

pthread\_create(&t2,NULL,&consumer,NULL);

pthread\_join(t1,NULL);

pthread\_join(t2,NULL);

return 0;

}