

~~void disp~~

void main() {

int ch;

while(1) {

printf("1. Ins\n");

printf("2. Del\n3. disp\n");

printf("4. exit\n");

scanf("%d", &ch);

switch(ch) {

case 1: printf("Ins\n");

scanf("%d", &pr);

if (pr > 0 && pr < 4)

pqins(pr-1);

else break;

case 2: pqdel(); break;

case 3: pqdisp(); break;

case 4: exit(0); } }

Ex Q: #include <stdio.h>

#include <stdlib.h>

#define n 5

int q[5][n];

int front[5] = {0, 0, 0, 0, 0};

int rear[5] = {0, 0, 0, 0, 0};

int item, pr;

void pqins(int pr) {

if (rear[pr] == n-1)

printf("overflow\n");

else { printf("Item\n");

scanf("%d", &item);

rear[pr]++;

q[pr][rear[pr]] = item; }

return; }

void pqdel() {

int i;

for (i=0; i<3; i++) {

if (rear[i] == front[i]-1)

printf("underflow\n");

else { printf("Deleted\n");

front[i]++; }

return; } }

void disp() {

int i;

for (i=0; i<3; i++) {

if (rear[i] == front[i]-1)

printf("Empty\n");

else { printf("queue\n");

printf("%d\n",

for (j = front[i]; j < rear[i]; j++)

printf("%d\n", q[i][j]); } } return; }