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//M Gayathri-185001050
#include<stdio.h>
#include<stdlib.h>
#include"queue.h"
void main()
{
    int i,j,wt=0;
    for(i=0;i<10;i++)
    {
        printf("\nEnter time for job no:%d    ",i+1);
        scanf("%d",&j);
        wt=wt+j;
        enqueue(1,i+1,j);
        enqueue(2,i+1,wt);

    }
    printf("%\nQueue 1 \n");
    display(1);
    printf("%\nQueue 2 \n");
    display(2);
}

/*sample input/output
Enter time for job no:1    6

Enter time for job no:2    5

Enter time for job no:3    2

Enter time for job no:4    3

Enter time for job no:5    7

Enter time for job no:6    3

Enter time for job no:7    7

Enter time for job no:8    2

Enter time for job no:9    3

Enter time for job no:10   7

Queue 1
1 : 6    2 : 5    3 : 2    4 : 3    5 : 7    6 : 3    7 : 7    8 : 2    9 : 3    10 : 7
Queue 2
1 : 6    2 : 11    3 : 13    4 : 16    5 : 23    6 : 26    7 : 33    8 : 35    9 : 38    10 : 45
*/

/*****CONTENTS OF FILE QUEUE.H*****/
/*struct Node
{
    int jno;
    int time;
    struct Node *next;
}*front1=NULL,*rear1=NULL,*front2=NULL,*rear2=NULL;

void enqueue(int q,int j,int t)
{
    struct Node *new;
    new = (struct Node*)malloc(sizeof(struct Node));
    new->jno=j;

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new->time=t;
new->next=NULL;
if (q==1)
{
    if(front1==NULL)
        front1=rear1=new;
    else
    {
        rear1->next=new;
        rear1=new;
    }
}
else
{
    if(front2==NULL)
        front2=rear2=new;
    else
    {
        rear2->next=new;
        rear2=new;
    }
}
}

void display(int q)
{
    if(q==1)
    {
        if(front1==NULL)
            printf("\nQueue is Empty!!!\n");
        else
        {
            struct Node *temp=front1;
            while(temp->next!=NULL)
            {
                printf("%d : %d\t",temp->jno,temp->time);
                temp=temp->next;
            }
            printf("%d : %d\t",temp->jno,temp->time);
        }
    }
    else
    {
        if(front2==NULL)
            printf("\nQueue is Empty!!!\n");
        else
        {
            struct Node *temp=front2;
            while(temp->next!=NULL)
            {
                printf("%d : %d\t",temp->jno,temp->time);
                temp=temp->next;
            }
            printf("%d : %d\t",temp->jno,temp->time);
        }
    }
}
*/

```