```c
//S Harshini-185001058
#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;
        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;
                }
        }
```

```c
}

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);
                }
        }
}
*/
```