```
    }
}
```

Lab Program

```
#include <stdio.h>
#define size 5
int f=0, r=-1, value;
int q[size];
void insertRear(){
    if(r==size-1){
        printf("queue overflow\n");
        return;
    }
    q[++r] = value;
}
```

```
void deleteFront(){
    if(f>r){
        printf("Queue underflow\n");
        return;
    }
    printf("%d\n",q[f++]);
    if(f>r){
        f=0;
        r=-1;
    }
}
void display(){
    if(f>r){
        printf("null\n");
        return;
    }
    int i;
    for(i=f;i<=r;i++){
        printf("%d ",q[i]);
    }
    printf("\n");
}
int main(){
    int ch
    while(1){
        printf("1-delete insert rear\n2-delete front\n
                3-display\n4-exit\n");
        scanf("%d",&ch);
        switch(ch){
            case 1:
                printf("Enter\n");
```

```
            scanf("%d", &value);
            insertrear();
            break;

        case 2:
            deletefront();
            break;

        case 3:
            display();
            break;
        default:
            return 0;

    }
}
```