

```
1:insertrear
2:deletefront
3:display
4:exit
enter the choice
1
enter the item to be inserted
20

1:insertrear
2:deletefront
3:display
4:exit
enter the choice
1
enter the item to be inserted
30

1:insertrear
2:deletefront
3:display
4:exit
enter the choice
1
enter the item to be inserted
40

1:insertrear
2:deletefront
3:display
4:exit
enter the choice
1
enter the item to be inserted
50
```

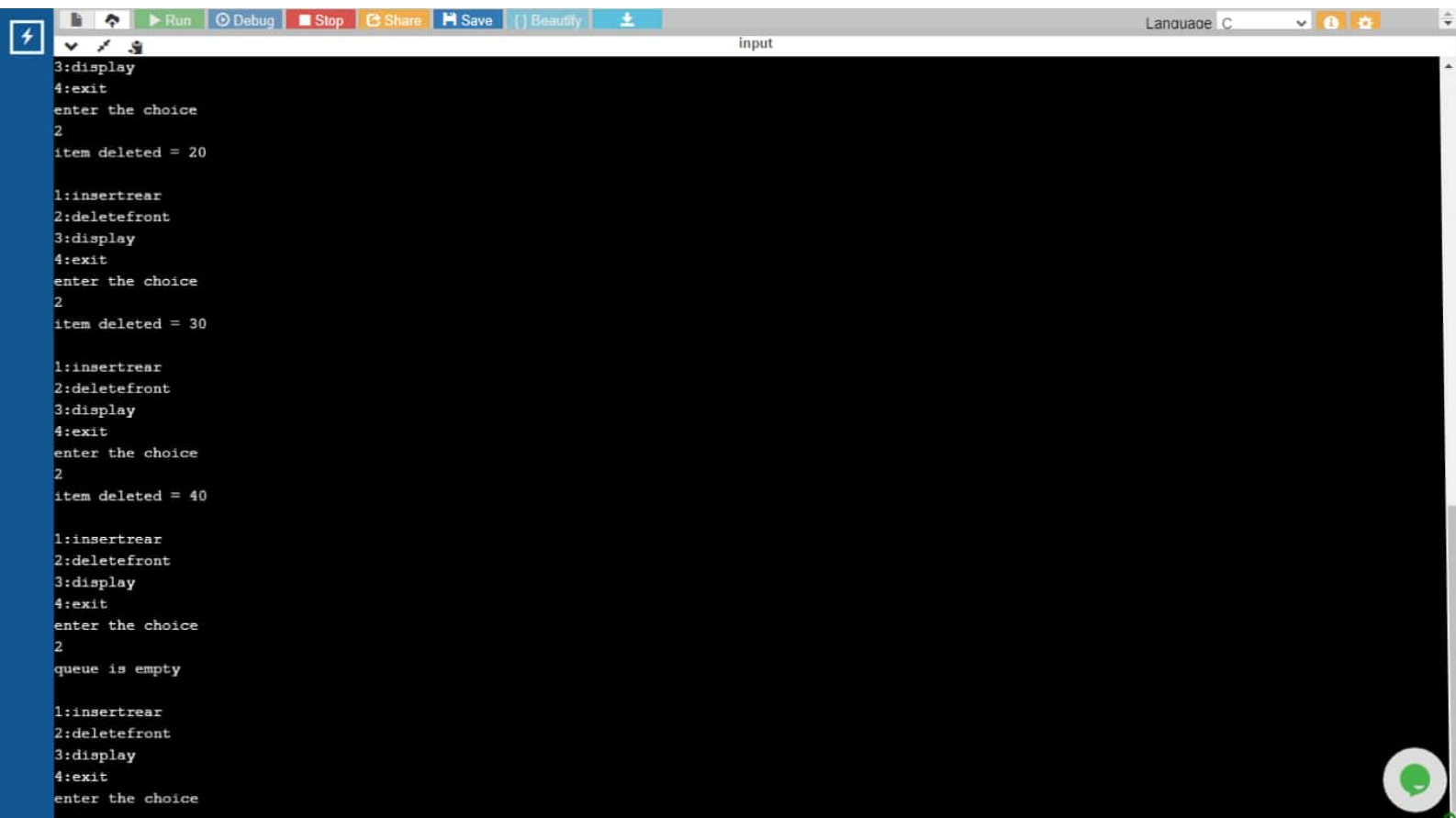
```
1
enter the item to be inserted
50
queue overflow

1:insertrear
2:deletefront
3:display
4:exit
enter the choice
3
contents of queue
20
30
40

1:insertrear
2:deletefront
3:display
4:exit
enter the choice
2
item deleted = 20

1:insertrear
2:deletefront
3:display
4:exit
enter the choice
2
item deleted = 30

1:insertrear
2:deletefront
3:display
4:exit
```



The image shows a screenshot of a C programming IDE. The top toolbar includes buttons for Run, Debug, Stop, Share, Save, and Beautify. The language is set to C. The code in the editor implements a queue with the following logic:

```
3:display
4:exit
enter the choice
2
item deleted = 20

1:insertrear
2:deletefront
3:display
4:exit
enter the choice
2
item deleted = 30

1:insertrear
2:deletefront
3:display
4:exit
enter the choice
2
item deleted = 40

1:insertrear
2:deletefront
3:display
4:exit
enter the choice
2
queue is empty

1:insertrear
2:deletefront
3:display
4:exit
enter the choice
```