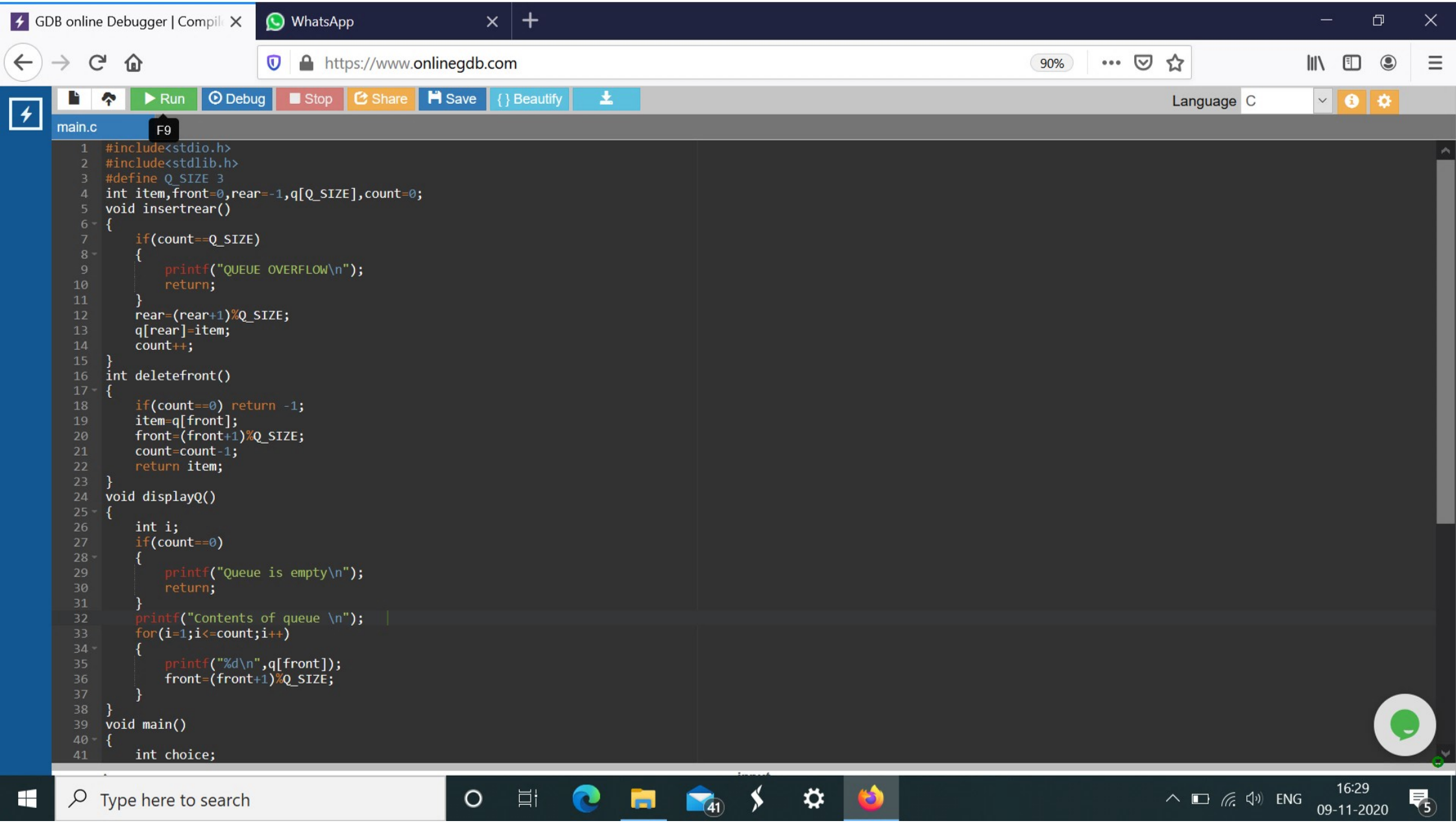
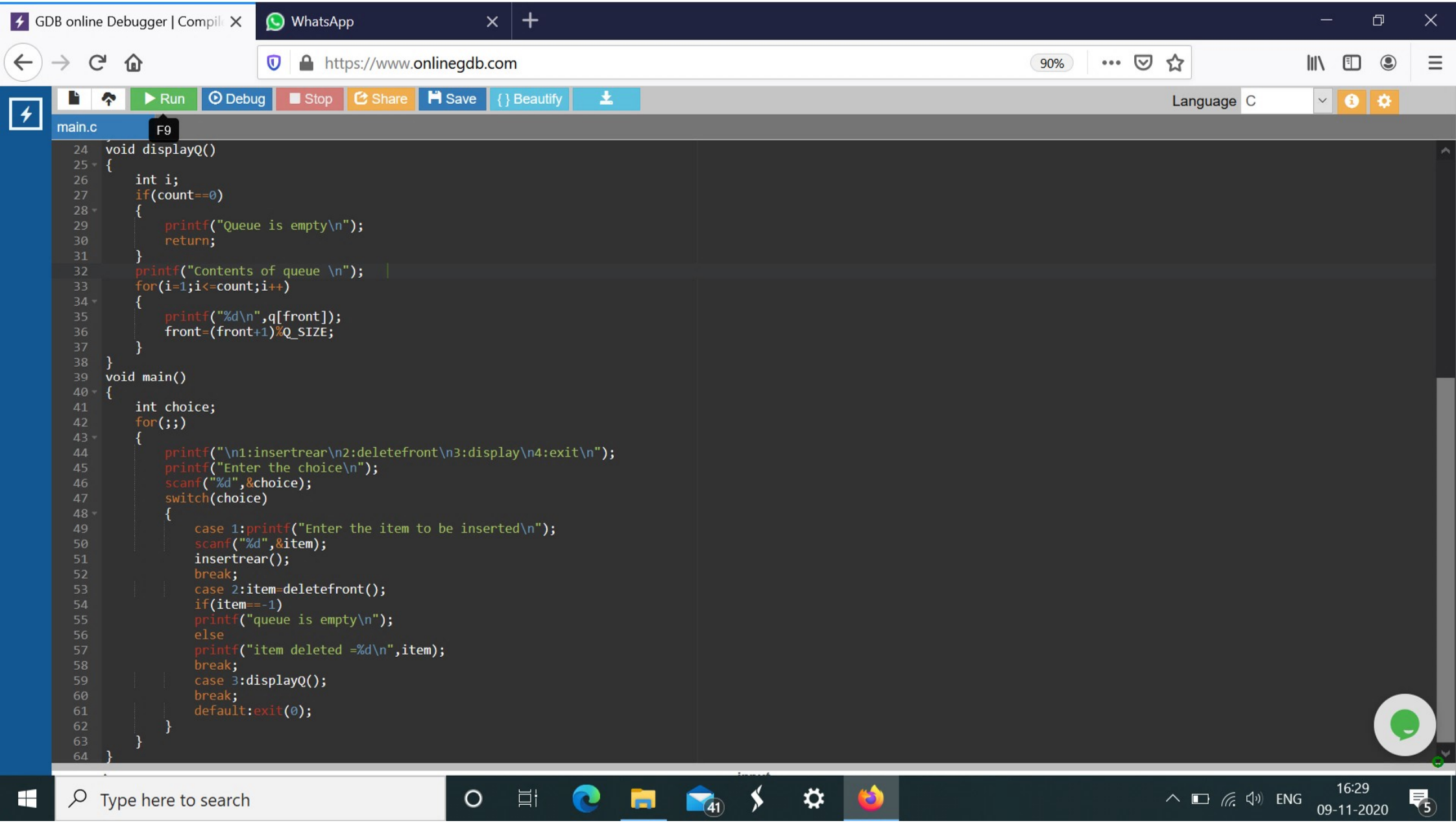
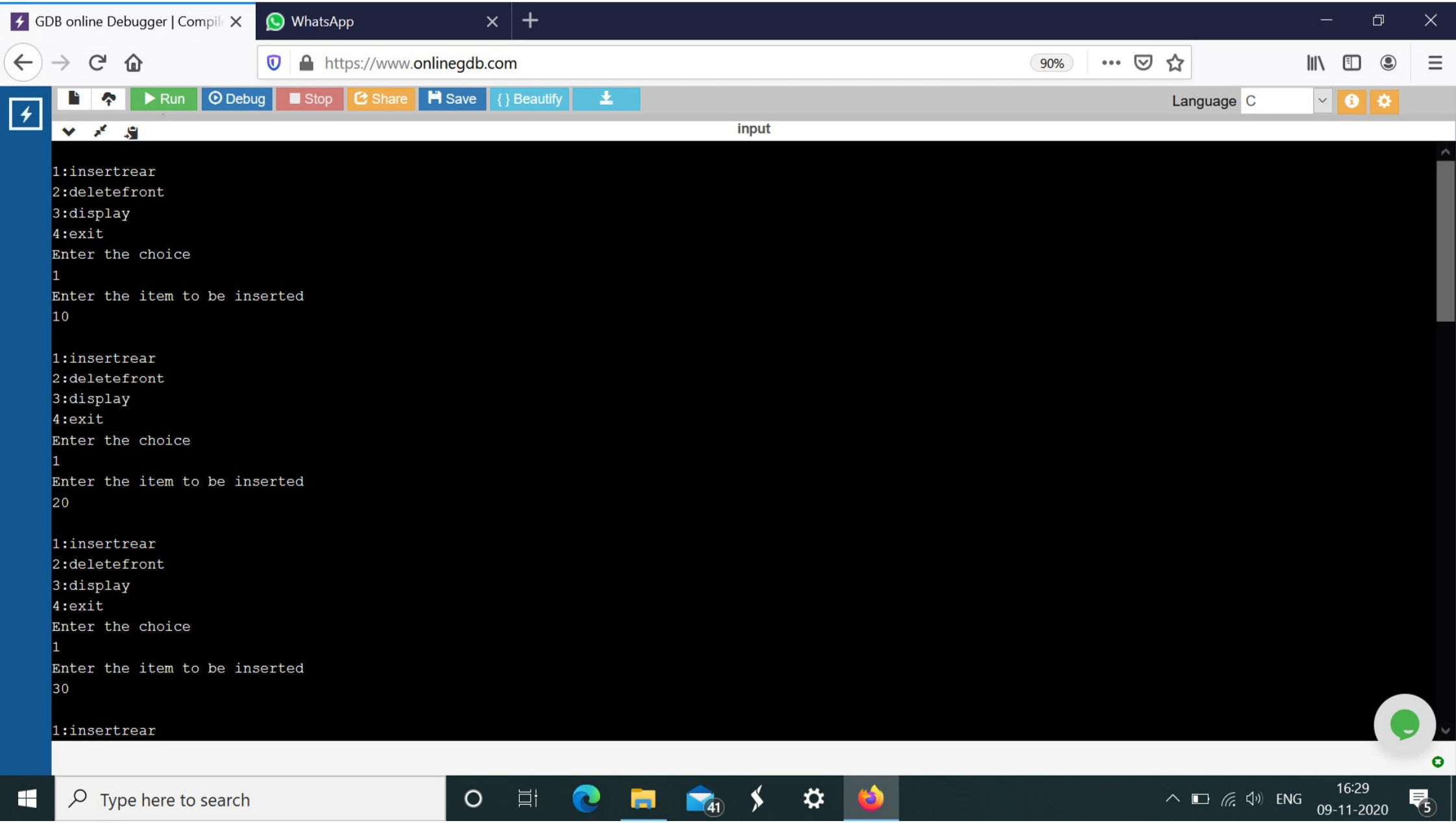
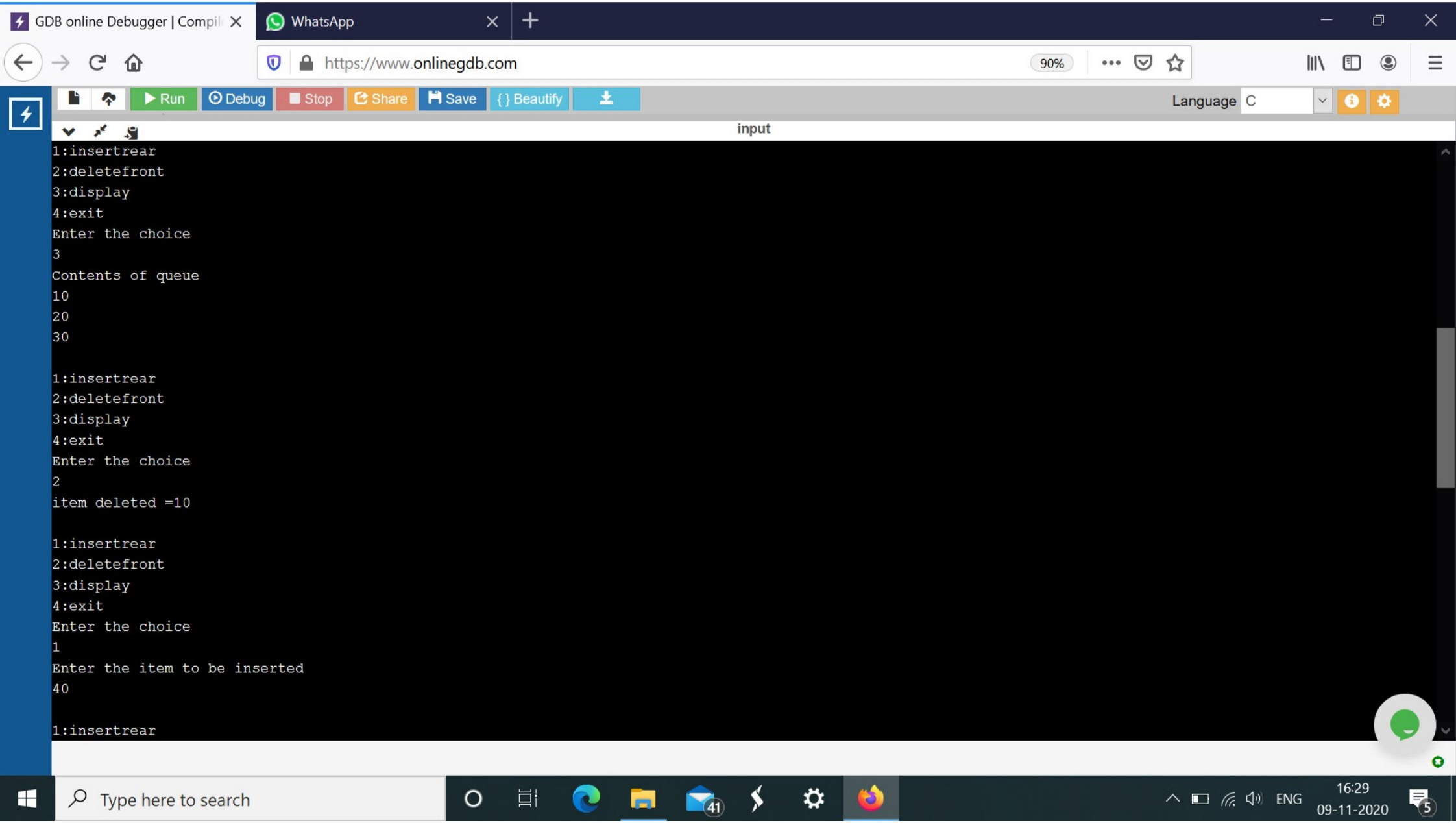
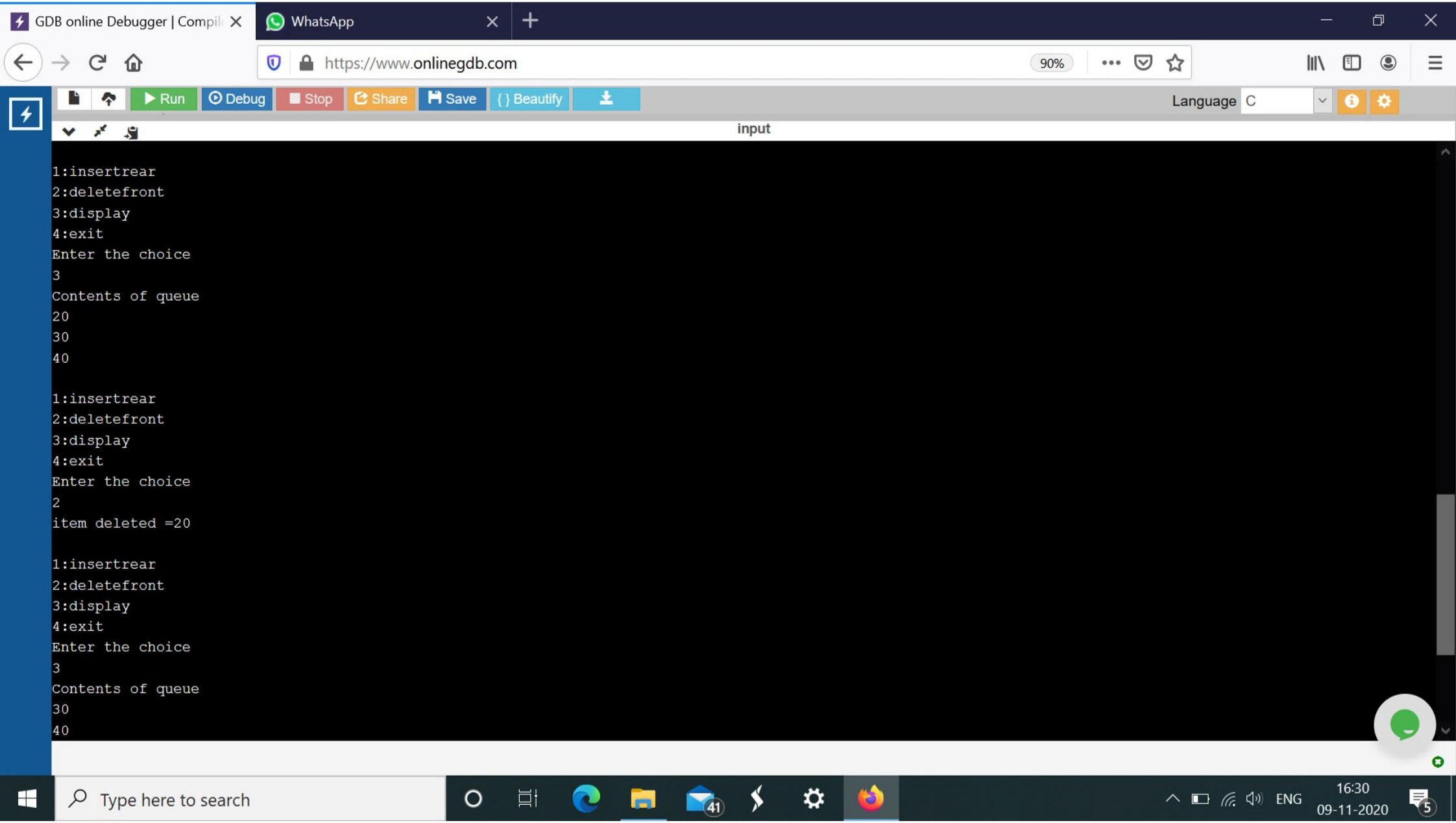

GDB online Debugger | Compil
WhatsApp
https://www.onlinegdb.com
90%
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
F9
#include<stdio.h>
#include<stdlib.h>
#define Q_SIZE 3
int item,front=0,rear=-1,q[Q_SIZE],count=0;
void insertrear()
{
if(count==Q_SIZE)
{
printf("QUEUE OVERFLOW\n");
return;
}
rear=(rear+1)%Q_SIZE;
q[rear]=item;
count++;
}
int deletefront()
{
if(count==0) return -1;
item=q[front];
front=(front+1)%Q_SIZE;
count=count-1;
return item;
}
void displayQ()
{
int i;
if(count==0)
{
printf("Queue is empty\n");
return;
}
printf("Contents of queue \n");
for(i=1;i<=count;i++)
{
printf("%d\n",q[front]);
front=(front+1)%Q_SIZE;
}
}
void main()
{
int choice;
Type here to search
ENG
16:29
09-11-2020


GDB online Debugger | Compil
WhatsApp
https://www.onlinegdb.com
90%
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
F9
void displayQ()
{
int i;
if(count==0)
{
printf("Queue is empty\n");
return;
}
printf("Contents of queue \n");
for(i=1;i<=count;i++)
{
printf("%d\n",q[front]);
front=(front+1)%Q_SIZE;
}
}
void main()
{
int choice;
for(;;)
{
printf("\n1:insertrear\n2:deletefront\n3:display\n4:exit\n");
printf("Enter the choice\n");
scanf("%d",&choice);
switch(choice)
{
case 1:printf("Enter the item to be inserted\n");
scanf("%d",&item);
insertrear();
break;
case 2:item=deletefront();
if(item==-1)
printf("queue is empty\n");
else
printf("item deleted =%d\n",item);
break;
case 3:displayQ();
break;
default:exit(0);
}
}
}
Type here to search
ENG
16:29
09-11-2020


GDB online Debugger | Compil
WhatsApp
https://www.onlinegdb.com
90%
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
input
1:insertrear
2:deletefront
3:display
4:exit
Enter the choice
1
Enter the item to be inserted
10
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
Type here to search
ENG
16:29
09-11-2020


GDB online Debugger | Compil
WhatsApp
https://www.onlinegdb.com
90%
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
input
1:insertrear
2:deletefront
3:display
4:exit
Enter the choice
3
Contents of queue
10
20
30
1:insertrear
2:deletefront
3:display
4:exit
Enter the choice
2
item deleted =10
1:insertrear
2:deletefront
3:display
4:exit
Enter the choice
1
Enter the item to be inserted
40
1:insertrear
Type here to search
ENG
16:29
09-11-2020


GDB online Debugger | Compil
WhatsApp
https://www.onlinegdb.com
90%
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
input
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
3
Contents of queue
30
40
Type here to search
ENG
16:30
09-11-2020