Activity-6
Ripunjay Narula(19BCE0470)

Q. Write a program to perform the operations on linked queue.

Code:

```
#include <stdio.h>
#include <stdlib.h>

struct queuee
{
    int data;
    struct queuee *next;
};

typedef struct queuee node;
node *front;
node *rear;
node *temp;
int f = -1;
int r = -1;

void enq()
{
    if(r==-1)
    {
        rear = (node*) (malloc(sizeof(node)));
        front = rear;
        r++;
```

```
        f++;
        rear->next = NULL;
    }
    else
    {
        rear->next = (node*) (malloc(sizeof(node)));
        rear = rear->next;
        rear->next = NULL;
        r++;
    }
    printf("\nInput the number: ");
    scanf("%d",&rear->data);
}
void dequeue()
{
    if(f>r)
    {
        printf("\nQueue underflow");
    }
    else
    {
        printf("Front element: %d",front->data);
        temp = front;
        front=front->next;
        free(temp);
        f++;
    }
}

int main()
{
    int ch;
    do
```

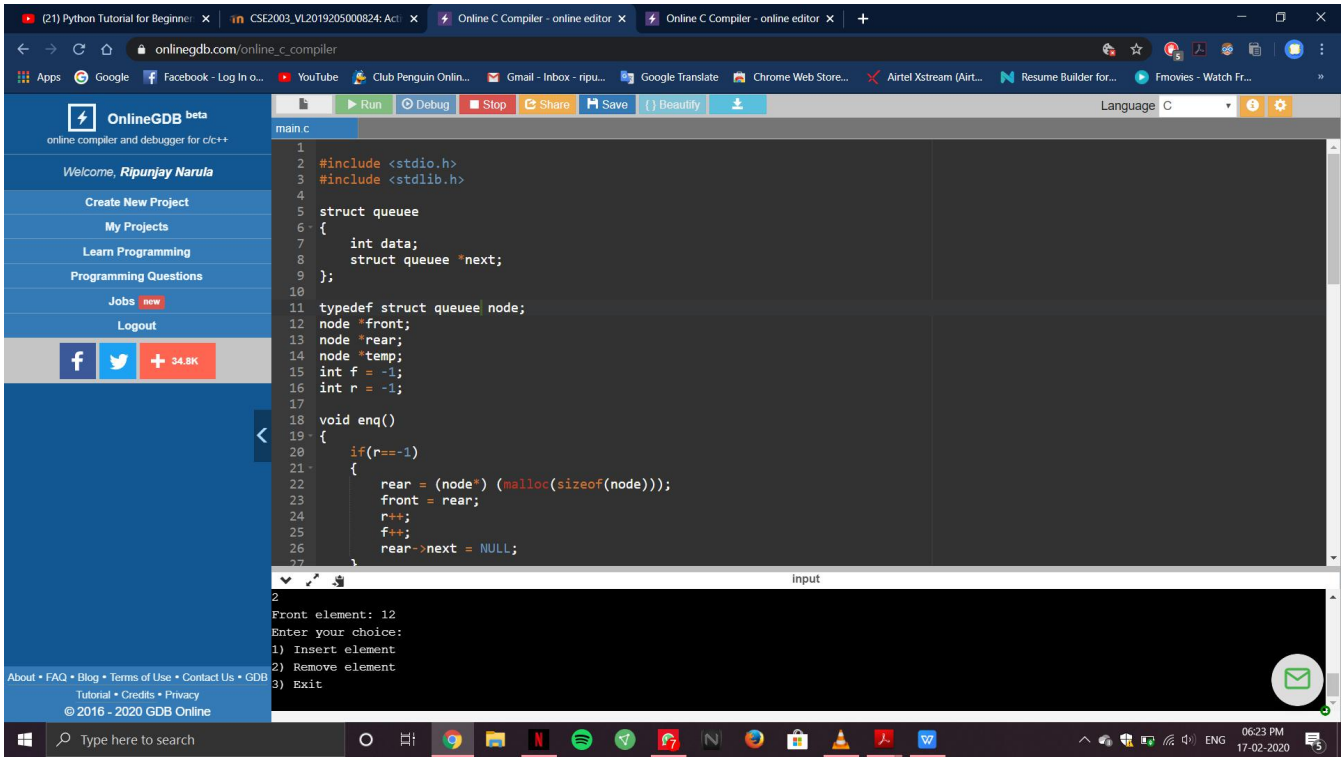
```
    {
        printf("\nEnter your choice:\n1) Insert element\n2) Remove
element\n3) Exit\n");
        scanf("%d",&ch);
        switch(ch)
        {
            case 1:
            enq();
            break;

            case 2:
            dequeue();
            break;

            case 3:
            printf("\nBye");
            break;

            default:
            printf("\nInvalid choice");
        }
    }while(ch!=3);
return 0;
}
```

Screenshot:


(21) Python Tutorial for Beginner
CSE2003_VL2019205000824: Act
Online C Compiler - online editor
Online C Compiler - online editor
onlinegdb.com/online_c_compiler
Apps
Google
Facebook - Log In o...
YouTube
Club Penguin Onlin...
Gmail - Inbox - ripu...
Google Translate
Chrome Web Store...
Airtel Xstream (Airt...
Resume Builder for...
Fmovies - Watch Fr...
OnlineGDB beta
online compiler and debugger for c/c++
Welcome, Ripunjay Narula
Create New Project
My Projects
Learn Programming
Programming Questions
Jobs new
Logout
34.8K
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
#include <stdio.h>
#include <stdlib.h>
struct queuee
{
int data;
struct queuee *next;
};
typedef struct queuee node;
node *front;
node *rear;
node *temp;
int f = -1;
int r = -1;
void enq()
{
if(r==-1)
{
rear = (node*) (malloc(sizeof(node)));
front = rear;
r++;
f++;
rear->next = NULL;
input
2
Front element: 12
Enter your choice:
1) Insert element
2) Remove element
3) Exit
About • FAQ • Blog • Terms of Use • Contact Us • GDB
Tutorial • Credits • Privacy
© 2016 - 2020 GDB Online
Type here to search
ENG
06:23 PM
17-02-2020