

```
File Edit Search Run Compile STA
[■]
#include<iostream.h>
#include<cpio.h>
int stack[5];
int top=-1;
void push()
{
    int x;
    cout<<"Enter the value"<<endl;
    cin>>x;
    if(top==4)
    {
        cout<<"Overf low"<<endl;
    }
    else
    {
        top++;
        stack[top]=x;
    }
}
void pop()
{
}
+ 1:22 F1 Help F2 Save F3 Open Alt-F9 Compil
```

```
[1]-----  
File Edit Search Run Comp  
  
void pop()  
{  
int data;  
if (top == -1)  
{  
cout << "UnderFlow" << endl;  
}  
else  
{  
data = stack[top];  
cout << data << endl;  
top--;  
}  
}  
  
void peek()  
{  
if (top == -1)  
{  
cout << "stack is empty" << endl;  
}  
else  
+ 40:22 -----  
F1 Help F2 Save F3 Open Alt-F9 Comp
```

The screenshot shows a terminal window titled "STACK.CPP" with the following C++ code:

```
else
{
    cout<<stack[top]<<endl;
}
}
void display()
{
    int i;
    for(i=top;i>=0;i--)
    {
        cout<<stack[i]<<endl;
    }
}
void main()
{
    int ch;
    do
    {
        cout<<"Enter your choice:- 1:push,2:pop,3:peek,4:display"<<endl;
        cin>>ch;
        switch(ch)
        {
            case 1:
                push();
                break;
            case 2:
                pop();
                break;
            case 3:
                peek();
                break;
            case 4:
                display();
                break;
            default:
                cout<<"Wrong choice";
        }
    } while(ch!=0);
}
```

The terminal window includes a status bar at the bottom with the time "60:22", a battery icon, and the text "realme Shot by Divya 2022/08/21 10:08". Below the status bar are function keys: F1 Help, F2 Save, F3 Open, Alt-F9 Compile, F9 Make, and F10 Menu.

```
[1] File Edit Search Run Compile Deb  
STACK.C  
int ch;  
do  
{  
    cout<<"Enter your choice: 1:push,2:pop,3  
    cin>>ch;  
    switch(ch)  
    {  
        case 1:push();  
        break;  
        case 2:pop();  
        break;  
        case 3:peek();  
        break;  
        case 4:display();  
        break;  
        default:  
        cout<<"invalid choice..!!";  
    }  
}  
while(ch!=0);
```

+ 75:22 — F1 Help F2 Save F3 Open Alt-F9 Compile F9 Make

DELL

Enter your choice:- :1:push,2:pop,3:peek,4:display

2

UnderFlow

Enter your choice:- :1:push,2:pop,3:peek,4:display

3

stack is empty

Enter your choice:- :1:push,2:pop,3:peek,4:display

4

Enter your choice:- :1:push,2:pop,3:peek,4:display

5

invalid choice..!!Enter your choice:- :1:push,2:pop,3:peek,4:display

4

Enter your choice:- :1:push,2:pop,3:peek,4:display

realme Shot by Diwa

2022/08/21 13:52