Write a C program to implement Stack operations such as PUSH, POP and PEEK

```c
#include<stdio.h>

#include<stdlib.h>

#define Size 4

int Top=-1, inp_array[Size];
void Push();
void Pop();
void show();

int main()
{
        int choice;

        while(1)
        {
                printf("\nOperations performed by Stack");
                printf("\n1.Push the element\n2.Pop the element\n3.Show\n4.End");
                printf("\n\nEnter the choice:");
                scanf("%d",&choice);

                switch(choice)
                {
                        case 1: Push();
                                        break;
                        case 2: Pop();
                                        break;
                        case 3: show();
                                        break;
```

```c
                case 4: exit(0);

                default: printf("\nInvalid choice!!");
            }
        }
    }


void Push()
{
        int x;

        if(Top==Size-1)
        {
                printf("\nOverflow!!");
        }
        else
        {
                printf("\nEnter element to be inserted to the stack:");
                scanf("%d",&x);
                Top=Top+1;
                inp_array[Top]=x;
        }
}


void Pop()
{
        if(Top==-1)
        {
                printf("\nUnderflow!!");
        }
        else
```

```c
	{
		printf("\nPopped element: %d",inp_array[Top]);

		Top=Top-1;

	}

}


void show()

{



	if(Top==-1)

	{

		printf("\nUnderflow!!");

	}

	else

	{

		printf("\nElements present in the stack: \n");

		for(int i=Top;i>=0;--i)

			printf("%d\n",inp_array[i]);

	}

}
```

```
Operations performed by Stack
1.Push the element
2.Pop the element
3.Show
4.End

Enter the choice:1

Enter element to be inserted to the stack:10
```