

Write a program to simulate the working of stack using an array.

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Void push ()

{

int val ;

if (top == max - 1)

{

printf ("Stack is full \n");

}

else

{

printf ("Enter element to push : ");

scanf ("%d", &val);

top = top + 1;

stack[top] = val;

}

Void pop ()

if (top == -1)

{ printf ("Stack is empty \n");

}

else

{ printf ("Deleted element is %d", stack[top]);

top = top - 1;

}

```
void display ( )
```

```
{ int i ;
```

```
  if (top == -1)
```

```
{
```

```
  printf ("stack is empty ! \n");
```

```
}
```

```
else
```

```
{
```

```
  printf ("stack is ... \n");
```

```
  for (i = top ; i >= 0 ; --i)
```

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

```
}
```