

1. Pseudo Code

```

push (a) {
    int n;
    if (top == MAX-1)
    {
        printf("\n stack overflow");
    }
    else
    {
        printf("\n Enter Element to push:");
        scanf("%d", &a);
        top = top + 1;
        stack[top] = a;
    }
}

```

```

pop ()
{
    if (top == -1)
    {
        printf("\n stack underflow");
    }
    else {
        printf("Deleted element is %d", stack[top]);
        top = top - 1;
    }
}

```

Display ()

```
{  
    if (top == -1)  
    {  
        printf ("\n Stack is empty");  
    }  
    else {  
        printf ("\n stack is ... \n");  
        for (int i = top; i >= 0; i--)  
        {  
            printf ("%d \n", stack[i]);  
        }  
    }  
}
```

2. Algorithm

~~(i) set top →~~

~~(ii) Declare an array~~