```
   printf("B->bB");
   stackpush('B');
  }
 } else {
  if(stack[top] == input[i]){
   printf("Pop %c",input[i]);
   printf("\t Matched  %c",input[i]);
   pop();
   i++;
  }
  else
   break;
 }
}

 if(stack[top] == '$' && input[i] == '$'){
  printf("\n$\t$");
  printf("\nThe string is VALID and it is ACCEPTED.\n");
 } else
  printf("\nThe string is INVALID and thus is REJECTED.\n");
}
```

OUTPUT: