

b)LEETCODE:WAP for Valid Parenthesis

CODE:

```
#define MAX 10 char
stack[MAX]; int top = -1;

void push(char ); char
pop(void ); char peek(void
); bool isValid(char* s) {
    int i = 0;    while(s[i] !=
'\0') {
        if(s[i] == '(' || s[i] == '[' || s[i] == '{') {
            push(s[i]);
        }    else if(s[i] == ')'){
            char ch = pop();
            if(ch != '(') return false;
        }    else if(s[i] == ']'){
            char ch = pop();
            if(ch != '[') return false;
        }    else if(s[i] == '}'){
            char ch = pop();
            if(ch != '{') return false;
        }    i++;
    }
    if(top != -1) return false;
    return true;
}

void push(char ch) {    if(top ==
MAX - 1) return;    stack[++top] =
ch;
}

char pop() {    if(top == -1)
return 'n';
    return stack[top--];
}
```

```
}
```

OUTPUT :

Testcase	Result
<div>Accepted Runtime: 0 ms</div> <div><div>• Case 1</div><div>• Case 2</div><div>• Case 3</div></div>	
Input	
<div>s = "()"</div>	
Output	
<div>false</div>	
Expected	
<div>false</div>	
Console ▾	