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| **URARAT KAEWDUANGNGAM 610651009** |
| **package** tree;  **import** java.util.Scanner;  **public** **class** Tree  {  **public** **static** Scanner *reader* = **new** Scanner(System.***in***);  **public** **static** **void** main(String[] args)  {  node head = **null**;  stack obj = **new** stack();  **boolean** flag = **true**;  **char** c ;  String input = **null**;    **while**(flag){  System.***out***.print("Enter correct postfix : "+ System.*lineSeparator*());  System.***out***.print("Enter 0 - 9 number or operator( + - / \* ) = ");  input = *reader*.nextLine();  **for** (**int** count = 0;count < input.length();count++){  c = input.charAt(count);  **if**(((c >= 48 && c <= 57) || c == '\*' || c == '-' || c == '+'|| c == '/' )){  flag = **false**;  **break**;  }  }  }      **for** (**int** count = 0;count < input.length();count++){  c = input.charAt(count);  node temp = **new** node();    **if**((c >= 48 && c <= 57)){  temp.number = Character.*getNumericValue*(c);  obj.push(temp);  }  **else** **if**(c == '\*' || c == '-' || c == '+'|| c == '/'){  temp.operator = c;  temp.right = obj.pop();  temp.left = obj.pop();  **if**(count + 1 == input.length())  head = temp;  **else**  obj.push(temp);  }  }    System.***out***.print(*answer*(head) + System.*lineSeparator*());  }  **public** **static** **int** answer(node ptr){  **if**(ptr == **null**)  **return** 0;  **int** l = *answer*(ptr.left);  **int** r = *answer*(ptr.right);    **if**(ptr.left == **null** && ptr.right == **null**)  **return** ptr.number;    **if**(ptr.operator == '+')  **return** l+r;  **else** **if**(ptr.operator == '-')  **return** l-r;  **else** **if**(ptr.operator == '\*')  **return** l\*r;  **else**  **return** l/r;  }  } |

**OUTPUT**









