12) EVALUATION OF POSTFIX EXPRESSION

This sum is extension of the previous sum

CODE OF THE PROGRAM:

```
class Solution
public:
//Function to evaluate a postfix expression.
bool isOperator(char x){
  if(x=='*'||x=='/'||x=='+'||x=='-'){
     return true;
  else{
     return false;
int evaluatePostfix(string S)
  stack<int> s;
  for(int i=0;i<S.length();i++){</pre>
     if(isOperator(S[i])==true){
       int k=s.top();
       s.pop();
       int j=s.top();
       s.pop();
       if(S[i]=='*'){
          int ans=j*k;
          s.push(ans);
       else if(S[i]=='/'){
          int ans=j/k;
          s.push(ans);
       else if(S[i]=='+'){
          int ans=j+k;
          s.push(ans);
       else{
          int ans=j-k;
          s.push(ans);
     }
     else{
       s.push(int(S[i])-48);
  return s.top();
```

};