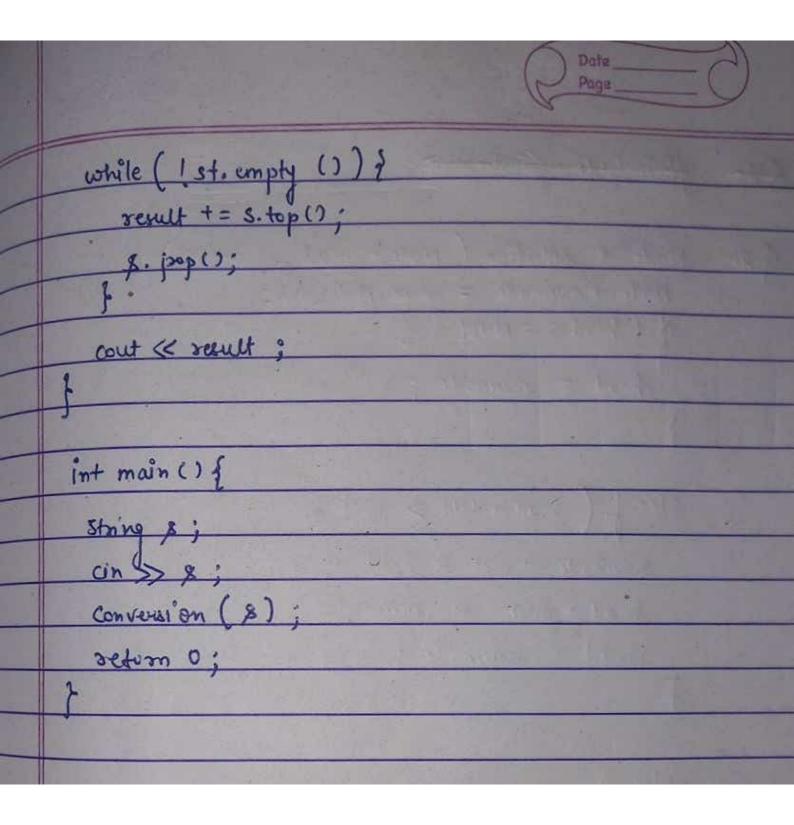
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	B11
	DS Assignment-1
9.1.	a+b*(cnd-e)n(f+g*h)-1
	result: a
	ab cdAe-fg1*+A*+i * + + +
	infix to postfix;
	if character is found skimply concert to result.
<u> </u>	My symbol is found (1) '(' push in Atack
	(3) ')' pop & cold symbol to result (3) check precedence with top by mod H precedence
	at last affer thick with all symbol puth to
<u>(4</u>	stack. Check whether symbol left in stack or not singly add
	to sent.
	#include < String. h>
	using namespace Atd;
	int precedence (char ch) { if (ch == ' a')
	else of (ch == 1* / ch == 1/1)
	return 2; che if (ch == '+' ch == '-')
	return 1:

else return -1; }

```
void conversion ( string & ) }
 Stack (char > & ;
  string result:
  for ("int "=0; ix s. length(); i++)
    char ch = Alil;
     if (ch >= 'a' && ch <= 'z' || ch >= 'A' && ch <= 'z'
        result += ch;
     S. puth (ch);
        while ( s. top () ! = '(')
           result + = s.top();
           S.pop ()
         5. pop () :
      else &
      while ( 1 s. empty () && precedence (ch) <=
                 precendence (S.top())
         result + = s. top():
   So push (ch);
```



```
Q.2. Node * solution ( Node * head, int K) {
        Node * nounode = new Node ( k);
       if ( head = = NULL ) {
         head = nownode;
       elseif ( head -> data > K) &
         newnode -> next = head ;
         head - prev = newnode;
         head = newnode;
        else {
         while ( curr - next / = NULL & curr - next - data < K)
         cur = cur + next :
         newnode -> next = Corr -> next;
         hownords - prov = curr
          Node # n = Curr + next :
          curr - next = new node ;
          ( n! = NULL)
           n-) prev = newnode:
       returns head;
```

```
int * cheek ( int *ans, int n, int k)
{ int anx[2]={-1,-1};
  int l=0 , r= n-1;
   int mid = ( 1+ x) / 2;
  while ( l <= r) }
     1 ( an [mid] == k) {
     for ( int i = Inid ; dor (i) == K &&i >= 0 ; i--)
        ans(0) = 1;
     for ( int i = mid; an [i] == K && 1 <= n-1; i++ )
         ans[i] = i;
     else if (arr[mid] < K)
         l = mid +1;
         r = mid-1;
   return ans;
```

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