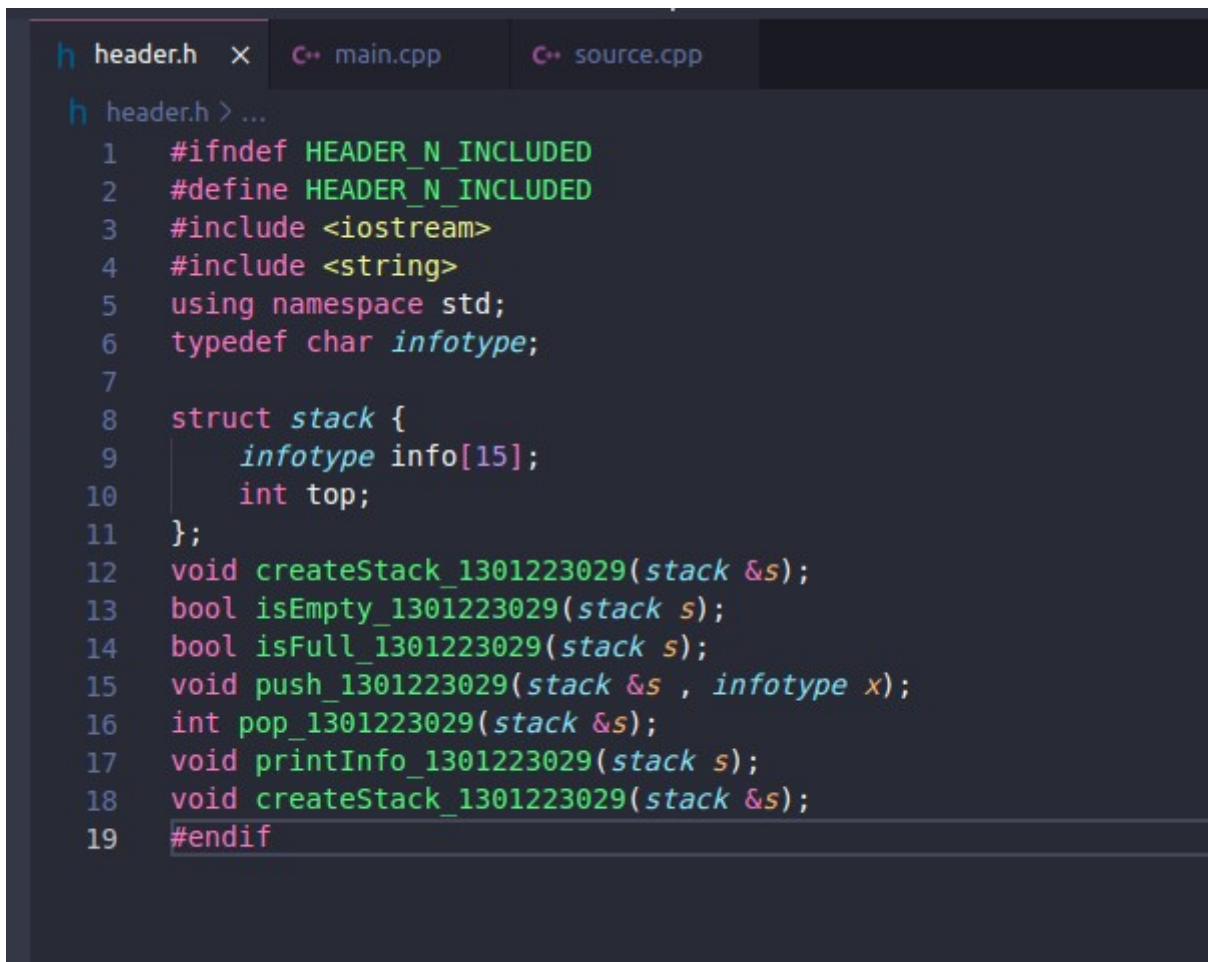


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1301223029
TP-9

Header.h

<https://github.com/mufrad2004/TP-STD/blob/main/TP-9/header.h>

A screenshot of a code editor with three tabs: 'header.h', 'main.cpp', and 'source.cpp'. The 'header.h' tab is active, showing the following C++ code:

```
h header.h > ...
1  #ifndef HEADER_N_INCLUDED
2  #define HEADER_N_INCLUDED
3  #include <iostream>
4  #include <string>
5  using namespace std;
6  typedef char infotype;
7
8  struct stack {
9      infotype info[15];
10     int top;
11 };
12 void createStack_1301223029(stack &s);
13 bool isEmpty_1301223029(stack s);
14 bool isFull_1301223029(stack s);
15 void push_1301223029(stack &s , infotype x);
16 int pop_1301223029(stack &s);
17 void printInfo_1301223029(stack s);
18 void createStack_1301223029(stack &s);
19 #endif
```

source.cpp

<https://github.com/mufrad2004/TP-STD/blob/main/TP-9/source.cpp>

```
h header.h  C++ main.cpp  C++ source.cpp X
C++ source.cpp > isFull_1301223029(stack)
1  #include "header.h"
2  void createStack_1301223029(stack &s){
3      s.top = 0;
4  }
5  bool isEmpty_1301223029(stack s){
6      return s.top == 0 ;
7  }
8
9  bool isFull_1301223029(stack s){
10     return s.top == 15;
11 }
12 void push_1301223029(stack &s , infotype x){
13     if (isFull_1301223029(s)){
14         cout << "Stack penuh"<<endl;
15     }else {
16         s.info[s.top] = x;
17         s.top++;
18     }
19 }
20 int pop_1301223029(stack &s){
21     infotype hapus;
22     if (isEmpty_1301223029(s)){
23         return -1;
24     }else {
25         hapus = s.info[s.top-1];
26         s.top--;
27     }
28     return hapus;
29 }
30 void printInfo_1301223029(stack s){
31     int i = s.top;
32
33     for (i ; i > 0 ; i--){
34         cout << s.info[i-1];
35     }
36     cout << endl;
37 }
```

main.cpp

<https://github.com/mufrad2004/TP-STD/blob/main/TP-9/main.cpp>

```
h header.h  C++ main.cpp  X  C++ source.cpp
C++ main.cpp > main()
1  #include "header.h"
2  // * 1301223029 % 4 = 1
3  int main(){
4      stack s;
5      string x;
6      infotype temp;
7      int lenX;
8      int count = 0;
9      createStack_1301223029(s);
10
11     cout << "Input : " ;
12     cin >>x;
13     lenX = x.length();
14
15     while (lenX > 0){
16         push_1301223029(s,x[lenX-1]);
17         lenX--;
18     }
19
20     printInfo_1301223029(s);
21     while (!isEmpty_1301223029(s)){
22         temp = pop_1301223029(s);
23         count ++;
24
25         if (count >= 5) {
26             cout << temp;
27         }
28     }
29
30     cout << endl;
31     return 0;
32 }
33
34
```

output

```
> ~/semester-3/St/Minggu-8/TP-9 > on main ?3 ✓ < at 07:02:07
./myprogram
Input : HALOBANDUNG
HALOBANDUNG
BANDUNG
```