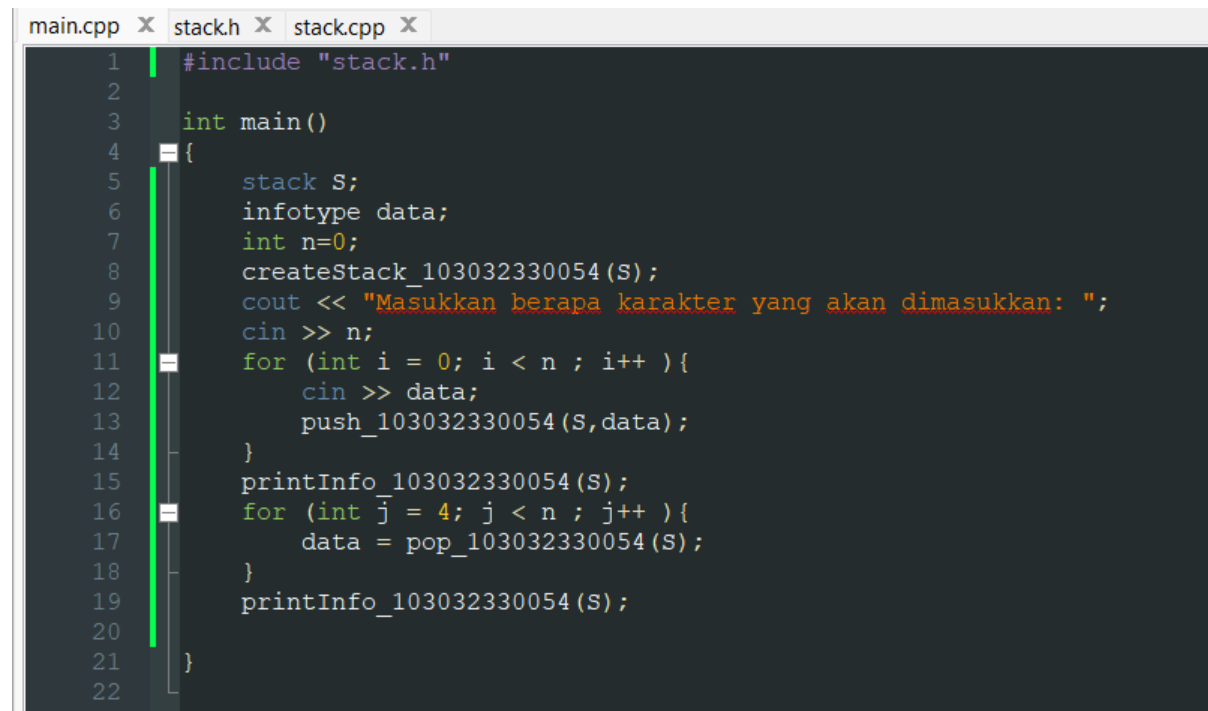


Main.cpp:

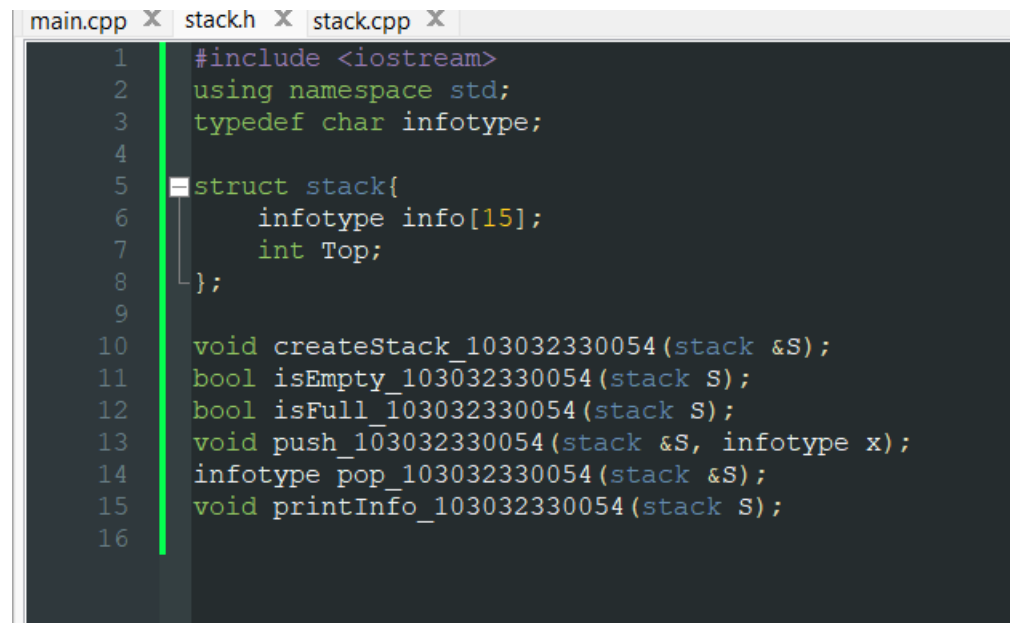


```
1  #include "stack.h"
2
3  int main()
4  {
5      stack S;
6      infotype data;
7      int n=0;
8      createStack_103032330054(S);
9      cout << "Masukkan berapa karakter yang akan dimasukkan: ";
10     cin >> n;
11     for (int i = 0; i < n ; i++ ){
12         cin >> data;
13         push_103032330054(S,data);
14     }
15     printInfo_103032330054(S);
16     for (int j = 4; j < n ; j++ ){
17         data = pop_103032330054(S);
18     }
19     printInfo_103032330054(S);
20
21 }
22
```

Stack.cpp:

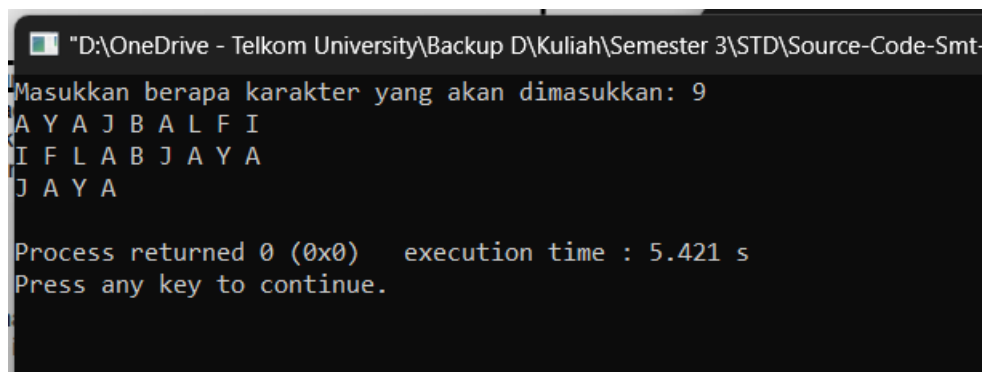
```
main.cpp X stack.h X stack.cpp X
1  #include "stack.h"
2  void createStack_103032330054(stack &S){
3      S.Top = 0;
4  }
5  bool isEmpty_103032330054(stack S){
6      if (S.Top == 0){
7          return 1;
8      }else{
9          return 0;
10     }
11 }
12 bool isFull_103032330054(stack S){
13     if (S.Top == 15){
14         return 1;
15     }else{
16         return 0;
17     }
18 }
19 void push_103032330054(stack &S, infotype x){
20     if (isFull_103032330054(S) == false){
21         S.Top++;
22         S.info[S.Top] = x;
23     }
24 }
25 infotype pop_103032330054(stack &S){
26     infotype x = S.info[S.Top];
27     S.Top--;
28     return x;
29 }
30 void printInfo_103032330054(stack S){
31     for (int i = S.Top; i>=1;i--){
32         cout << S.info[i] << " ";
33     }
34     cout << endl;
35 }
36
```

Stack.h:



```
main.cpp X stack.h X stack.cpp X
1  #include <iostream>
2  using namespace std;
3  typedef char infotype;
4
5  struct stack{
6      infotype info[15];
7      int Top;
8  };
9
10 void createStack_103032330054(stack &S);
11 bool isEmpty_103032330054(stack S);
12 bool isFull_103032330054(stack S);
13 void push_103032330054(stack &S, infotype x);
14 infotype pop_103032330054(stack &S);
15 void printInfo_103032330054(stack S);
16
```

Hasil:



```
"D:\OneDrive - Telkom University\Backup D\Kuliah\Semester 3\STD\Source-Code-Smt
Masukkan berapa karakter yang akan dimasukkan: 9
A Y A J B A L F I
I F L A B J A Y A
J A Y A

Process returned 0 (0x0)   execution time : 5.421 s
Press any key to continue.
```