

Quizz Pemrograman Dasar

The screenshot shows a C++ IDE with the following code in `whileloop.cpp`:

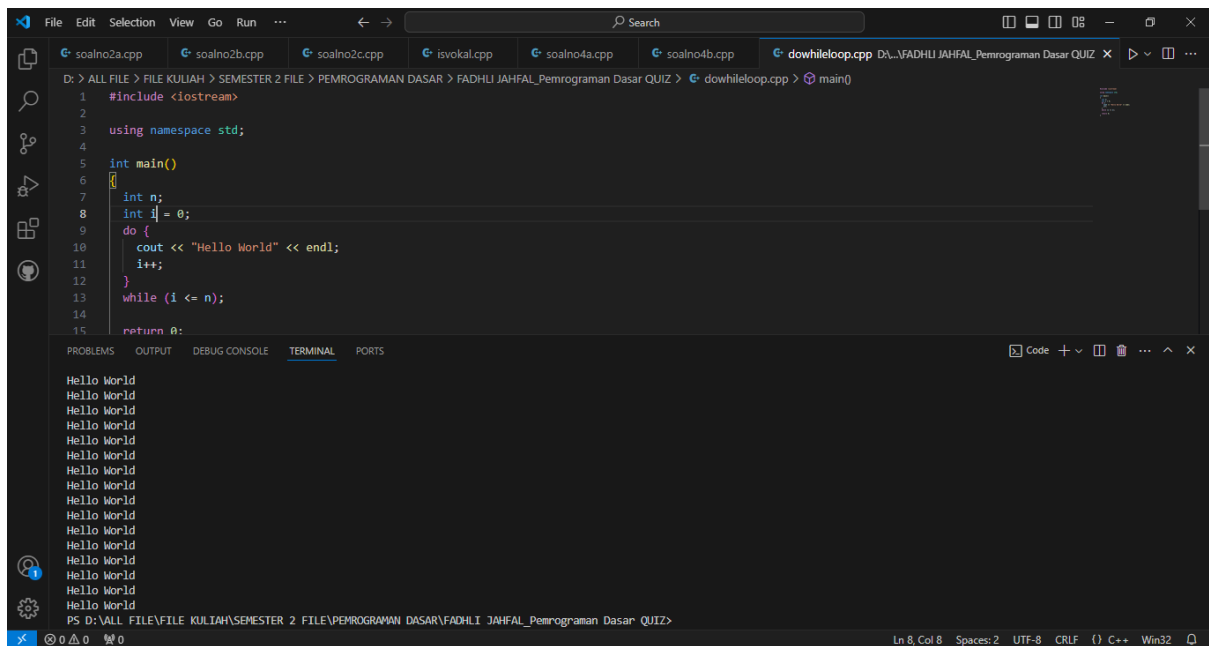
```

1  #include <iostream>
2
3  using namespace std;
4
5  int main () {
6      int n;
7      int i = 0;
8      while (i <= n){
9          cout << "Hello World!" << endl;
10         i++;
11     }
12
13     return 0;
14 }
15

```

The terminal output shows 15 lines of "Hello World!" printed sequentially.

c. Do While Loop



```
D:\> ALL FILE > FILE KULIAH > SEMESTER 2 FILE > PEMROGRAMAN DASAR > FADHLI JAHFAL_Pemrograman Dasar QUIZ > dowhileloop.cpp > main()
1 #include <iostream>
2
3 using namespace std;
4
5 int main()
6 {
7     int n;
8     int i = 0;
9     do {
10         cout << "Hello World" << endl;
11         i++;
12     }
13     while (i <= n);
14
15     return 0;
16 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Hello World
Hello World
Hello World
Hello World
Hello World
Hello World
Hello World
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Hello World

PS D:\ALL FILE\FILE KULIAH\SEMESTER 2 FILE\PEMROGRAMAN DASAR\FADHLI JAHFAL_Pemrograman Dasar QUIZ>

Ln 8, Col 8 Spaces: 2 UTF-8 CRLF () C++ Win32

2. Keluaran yang tercetak pada program dibawah ini :

a. Program pada nomor 2a



PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Windows PowerShell
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PS C:\Users\LENOVO> cd "c:\Users\LENOVO\Downloads\" ; if (\$?) { g++ soalno2a.cpp -o soalno2a } ; if (\$?) { .\soalno2a }

xxx
bbb

PS C:\Users\LENOVO\Downloads>

b. Program pada nomor 2b



PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Windows PowerShell
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PS C:\Users\LENOVO> cd "c:\Users\LENOVO\Downloads\" ; if (\$?) { g++ soalno2b.cpp -o soalno2b } ; if (\$?) { .\soalno2b }

9

PS C:\Users\LENOVO\Downloads>

Spaces: 4 UTF-8 () C++ Win32

c. Program pada nomor 2c

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Windows PowerShell
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PS C:\Users\LENOVO> cd "c:\Users\LENOVO\Downloads\" ; if ($?) { g++ soalno2c.cpp -o soalno2c } ; if ($?) { .\soalno2c }
C
PS C:\Users\LENOVO\Downloads>
```

3. Program isVokal

- Program Capture

```
File Edit Selection View Go Run ... Search
Welcome | foorloop.cpp | whileloop.cpp | dowhileloop.cpp | soalno2a.cpp | soalno2b.cpp | soalno2c.cpp | isvokal.cpp x
C:\> Users\LENOVO> Downloads> isvokal.cpp main()
1 #include <iostream>
2
3 using namespace std;
4
5 bool IsVokal(char huruf) {
6     huruf = tolower(huruf);
7
8     if (huruf == 'a' || huruf == 'i' || huruf == 'u' || huruf == 'e' || huruf == 'o') {
9         return true;
10    } else {
11        return false;
12    }
13 }
14
15 int main() {
16     char karakter;
17
18     cout << "Masukkan sebuah karakter: ";
19     cin >> karakter;
20
21     if (IsVokal(karakter)) {
22         cout << karakter << " adalah vokal." << endl;
23     } else {
24         cout << karakter << " bukan vokal." << endl;
25     }
26
27     return 0;
28 }
```

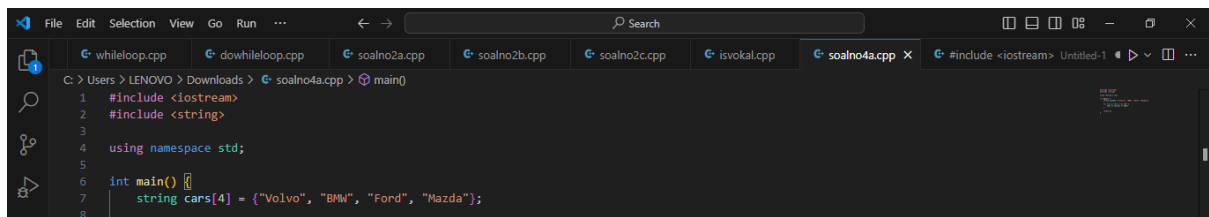
- Output Program

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\LENOVO> cd "c:\Users\LENOVO\Downloads\" ; if ($?) { g++ isvokal.cpp -o isvokal } ; if ($?) { .\isvokal }
Masukkan sebuah karakter: a
a adalah vokal.
PS C:\Users\LENOVO\Downloads> cd "c:\Users\LENOVO\Downloads\" ; if ($?) { g++ isvokal.cpp -o isvokal } ; if ($?) { .\isvokal }
Masukkan sebuah karakter: b
b bukan vokal.
PS C:\Users\LENOVO\Downloads>
```

4. Lengkapi Program

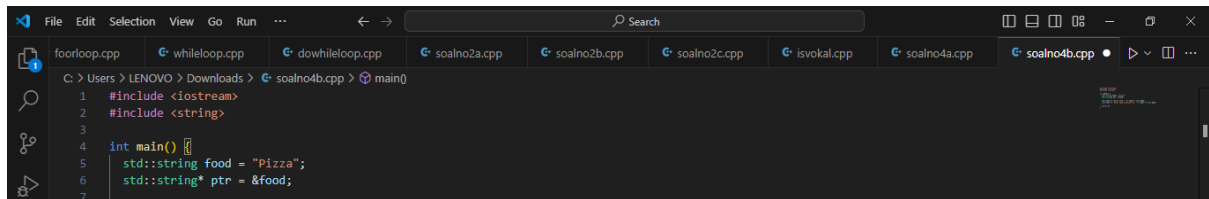
a. String cars



The screenshot shows the Visual Studio Code editor with a C++ file named `soalno4a.cpp`. The code defines a `main` function that includes `<iostream>` and `<string>`, uses the `std` namespace, and declares an array of strings `cars` with four elements: "Volvo", "BMW", "Ford", and "Mazda".

```
1 #include <iostream>
2 #include <string>
3
4 using namespace std;
5
6 int main() {
7     string cars[4] = {"Volvo", "BMW", "Ford", "Mazda"};
8 }
```

b. String ptr food



The screenshot shows the Visual Studio Code editor with a C++ file named `soalno4b.cpp`. The code defines a `main` function that includes `<iostream>` and `<string>`, and declares a `std::string` variable `food` with the value "Pizza". It also declares a `std::string*` pointer `ptr` that points to the `food` variable.

```
1 #include <iostream>
2 #include <string>
3
4 int main() {
5     std::string food = "Pizza";
6     std::string* ptr = &food;
7 }
```