

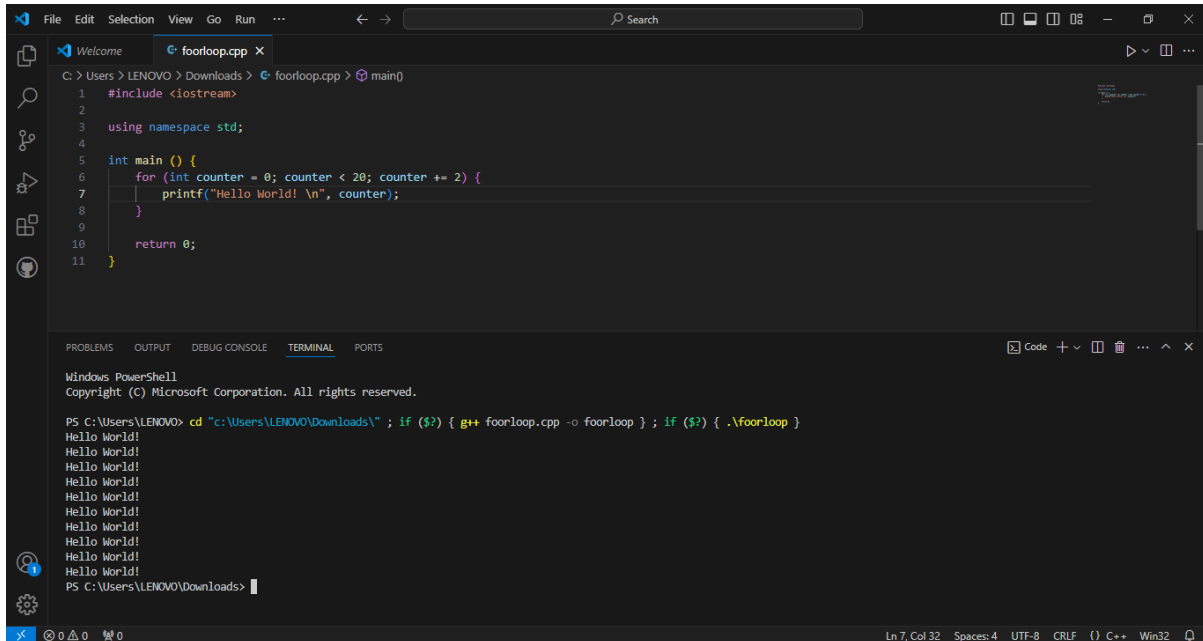
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NRP : 2C2230008

Quizz Pemrograman Dasar

1. Hasil pemrograman pengeluaran “Hello World!” menggunakan :

a. Foor Loop

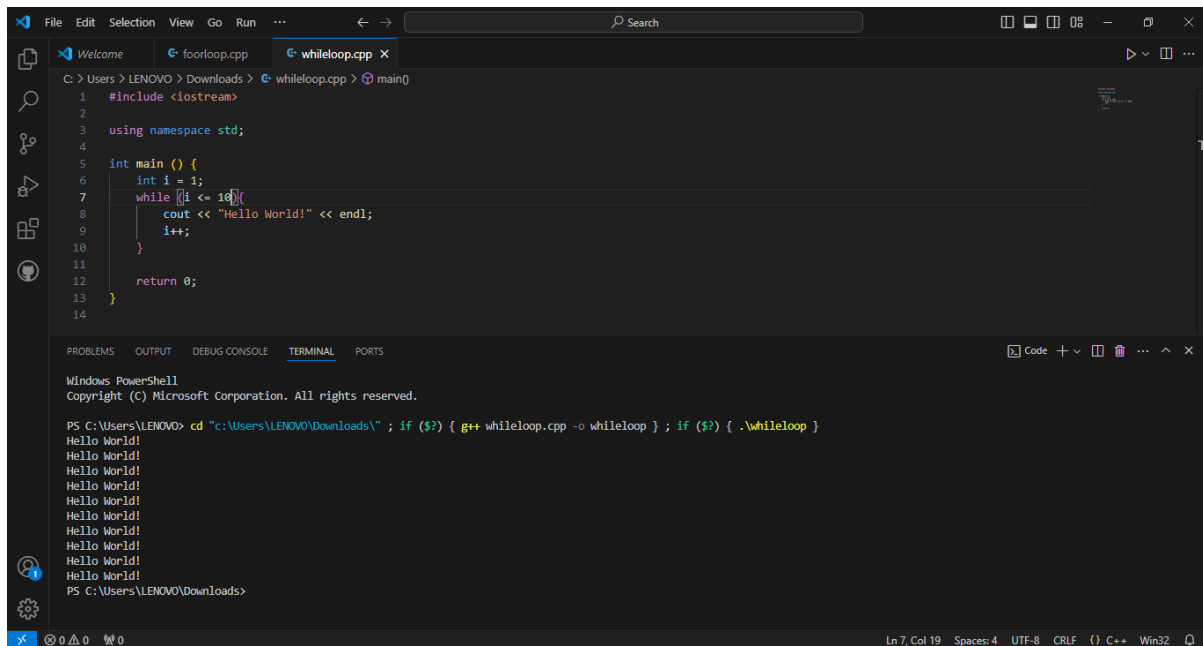


The screenshot shows the Visual Studio Code editor with a file named `foorloop.cpp`. The code is as follows:

```
1 #include <iostream>
2
3 using namespace std;
4
5 int main () {
6     for (int counter = 0; counter < 10; counter += 1) {
7         printf("Hello World! \n", counter);
8     }
9
10    return 0;
11 }
```

The terminal window at the bottom shows the command `g++ foorloop.cpp -o foorloop` and the execution output, which prints "Hello World!" ten times.

b. While Loop

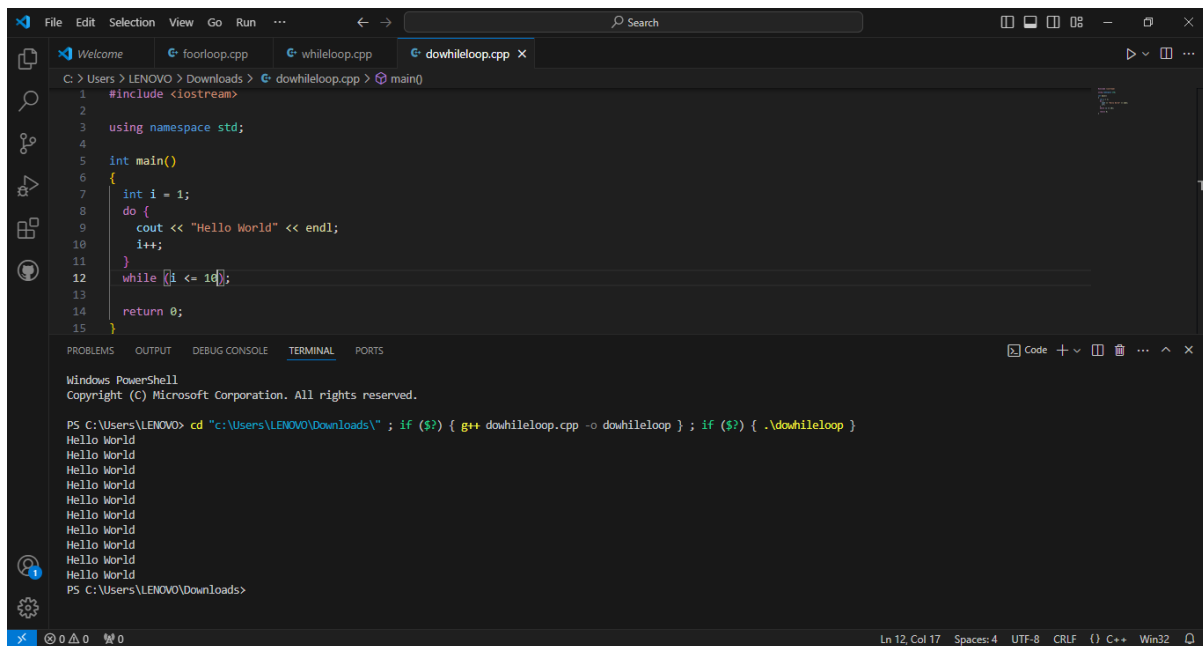


The screenshot shows the Visual Studio Code editor with a file named `whileloop.cpp`. The code is as follows:

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

The terminal window at the bottom shows the command `g++ whileloop.cpp -o whileloop` and the execution output, which prints "Hello World!" ten times.

c. Do While Loop



```
File Edit Selection View Go Run ... Search
Welcome
C:\Users\LENOVO> Downloads > dowhileloop.cpp > main()
1 #include <iostream>
2
3 using namespace std;
4
5 int main()
6 {
7     int i = 1;
8     do {
9         cout << "Hello World" << endl;
10        i++;
11    }
12    while (i <= 10);
13
14    return 0;
15 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

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

Hello World
Hello World
Hello World
Hello World
Hello World
Hello World
Hello World
Hello World
Hello World
Hello World
Hello World
PS C:\Users\LENOVO\Downloads>

Ln 12, Col 17 Spaces: 4 UTF-8 CRLF {} C++ Win32

2. Keluaran yang tercetak pada program dibawah ini :

a. Program pada nomor 2a



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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



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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

```
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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 ...
Welcome | foorloop.cpp | whileloop.cpp | dowhileloop.cpp | soalno2a.cpp | soalno2b.cpp | soalno2c.cpp | isvokal.cpp x
C:\Users\LENOVO\Downloads> g++ 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 }
```

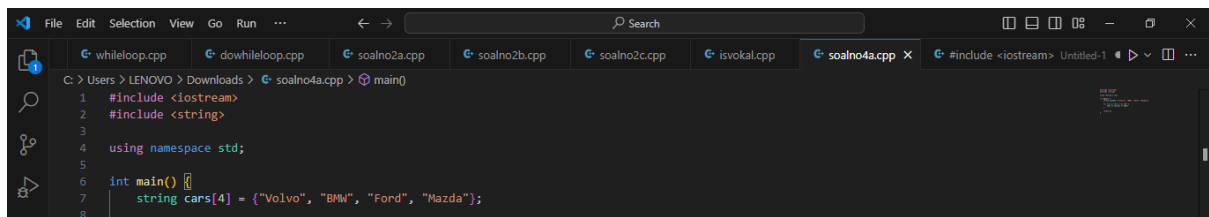
- Output Program

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Windows PowerShell
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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

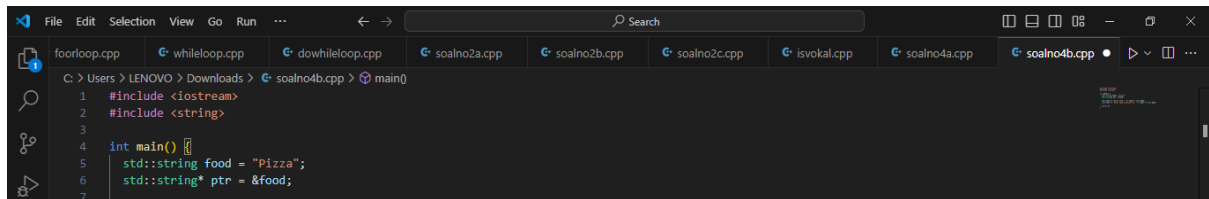
a. String cars



The screenshot shows the Visual Studio Code editor with a C++ file named `soalno4a.cpp`. The code is as follows:

```
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 is as follows:

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