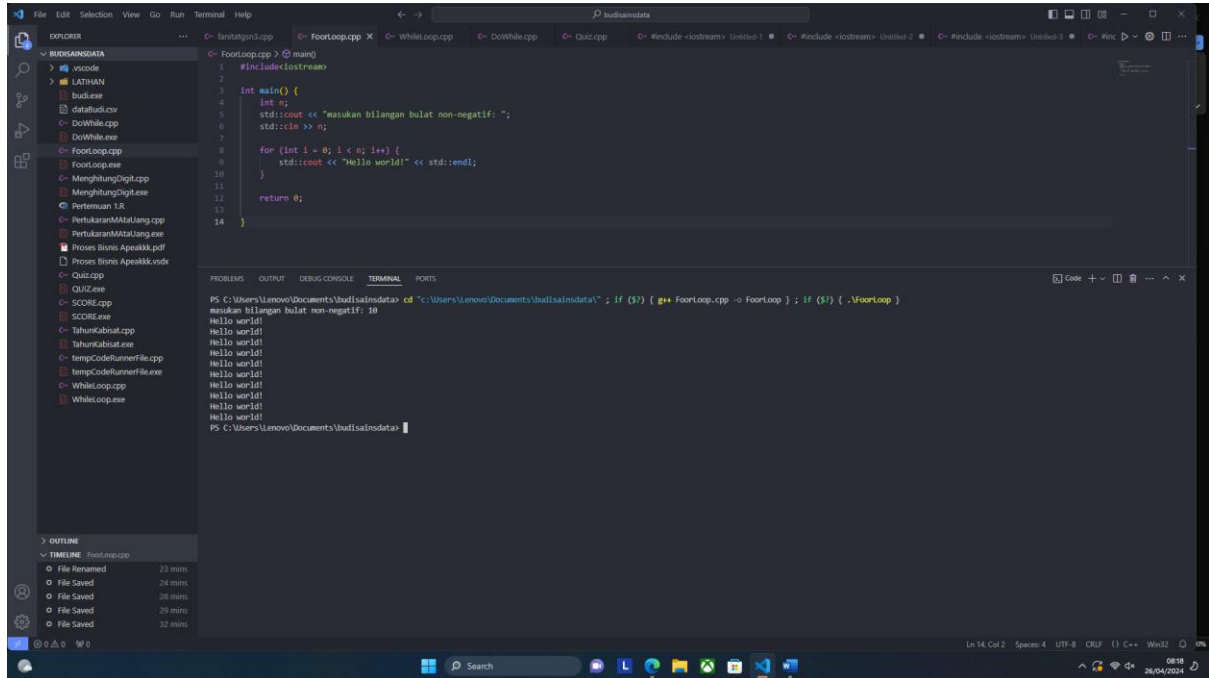


QUIZ_Budi Kurnia-2C2230018

No.1

a. Floor Loop



The screenshot shows the Visual Studio Code editor with a C++ file named `FoorLoop.cpp` (note the typo). The code is as follows:

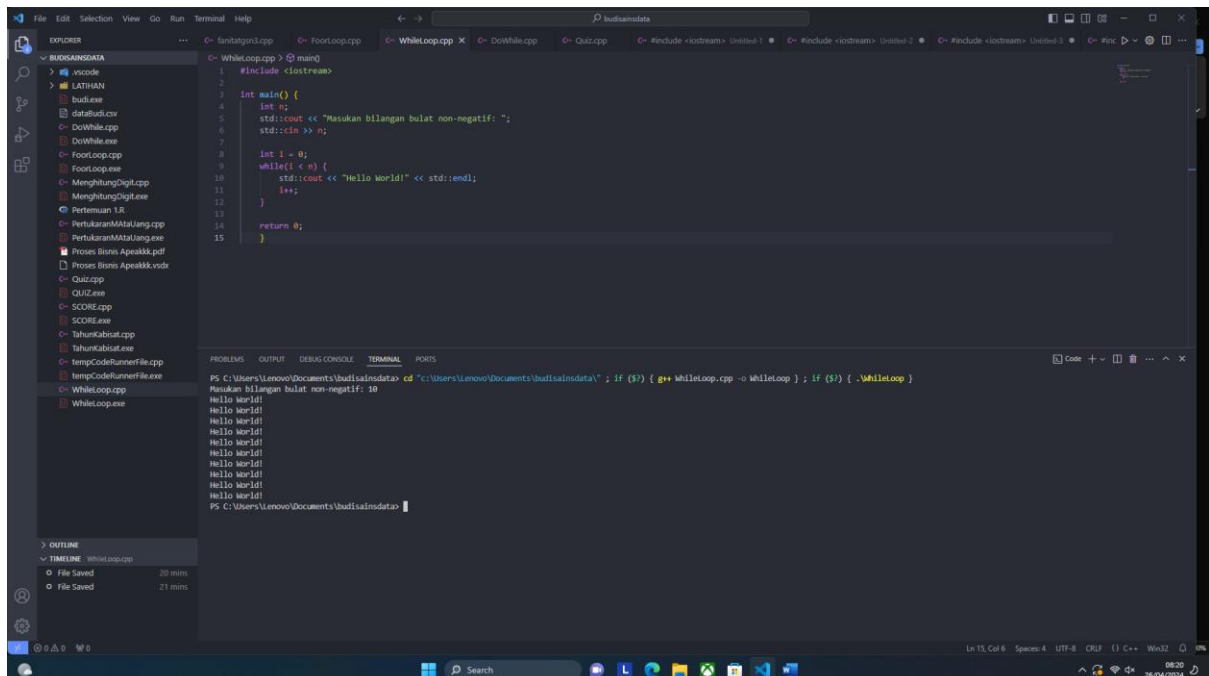
```
1 #include <iostream>
2
3 int main() {
4     int n;
5     std::cout << "Masukan bilangan bulat non-negatif: ";
6     std::cin >> n;
7
8     for (int i = 0; i < n; i++) {
9         std::cout << "Hello world!" << std::endl;
10    }
11
12    return 0;
13 }
```

The terminal output shows the program execution:

```
PS C:\Users\Lenovo\Documents\budisainsdata> cd "C:\Users\Lenovo\Documents\budisainsdata"; if ($?) { g++ FoorLoop.cpp -o FoorLoop }; if ($?) { .\FoorLoop }
Masukan bilangan bulat non-negatif: 10
Hello world!
Hello world!
Hello world!
Hello world!
Hello world!
Hello world!
Hello world!
Hello world!
Hello world!
Hello world!
PS C:\Users\Lenovo\Documents\budisainsdata>
```

The Explorer sidebar shows a project named `BUDISAINSDATA` with various files, including `FoorLoop.cpp` and `FoorLoop.exe`. The Timeline view at the bottom shows file save events.

b. While Loop



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

```
1 #include <iostream>
2
3 int main() {
4     int n;
5     std::cout << "Masukan bilangan bulat non-negatif: ";
6     std::cin >> n;
7
8     int i = 0;
9     while (i < n) {
10        std::cout << "Hello World!" << std::endl;
11        i++;
12    }
13
14    return 0;
15 }
```

The terminal output shows the program execution:

```
PS C:\Users\Lenovo\Documents\budisainsdata> cd "C:\Users\Lenovo\Documents\budisainsdata"; if ($?) { g++ WhileLoop.cpp -o WhileLoop }; if ($?) { .\WhileLoop }
Masukan bilangan bulat non-negatif: 10
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
PS C:\Users\Lenovo\Documents\budisainsdata>
```

The Explorer sidebar shows the project `BUDISAINSDATA` with files including `WhileLoop.cpp` and `WhileLoop.exe`. The Timeline view shows file save events.

c. Do while Loop

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

```
1 #include <iostream>
2
3 int main() {
4     int n;
5     std::cout << "Masukan bilangan bulat non-negatif: ";
6     std::cin >> n;
7
8     int i = 0;
9     do {
10        std::cout << "Hello World!" << std::endl;
11        i++;
12    } while(i < n);
13    return 0;
14 }
```

The terminal output shows the program being executed, prompting for input and printing "Hello World!" 10 times.

```
PS C:\Users\Lenovo\Documents\budisaindata> cd "C:\Users\Lenovo\Documents\budisaindata\" ; if ($?) { g++ DowhileLoop.cpp -o DowhileLoop } ; if ($?) { .\DowhileLoop }
Masukan bilangan bulat non-negatif: 10
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
PS C:\Users\Lenovo\Documents\budisaindata>
```

No.2

a.

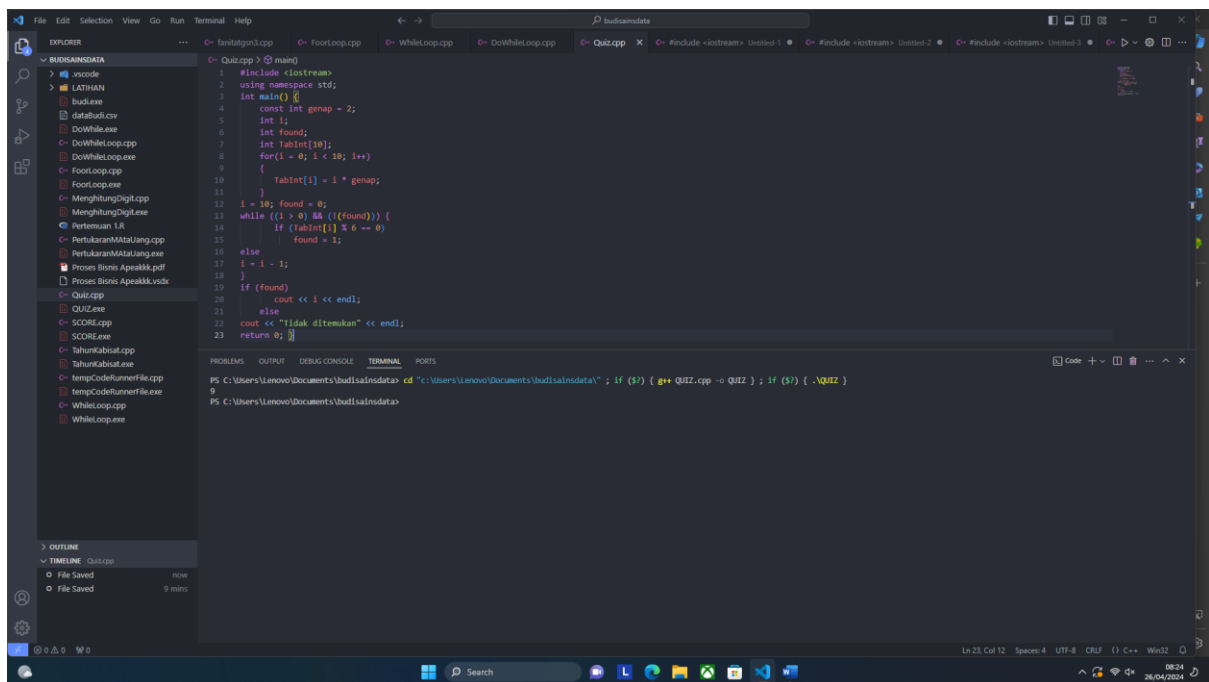
The screenshot shows the Visual Studio Code interface with a C++ file named `Quiz.cpp` open. The code is as follows:

```
1 #include <iostream>
2 using namespace std;
3 int main() {
4     int x;
5     x = 100;
6     if (x % 10 == 0) {
7         cout << "xxx" << endl;
8         if (x / 5 == 0) {
9             cout << "aaa" << endl;
10        }
11        if (x % 11 == 1) {
12            cout << "bbb" << endl;
13        }
14    } else {
15        cout << "yyy" << endl;
16        if (x / 2 == 0) {
17            cout << "ccc" << endl;
18        }
19        if (x % 3 == 1) {
20            cout << "ddd" << endl;
21        }
22    }
23    return 0;
24 }
```

The terminal output shows the program being executed, printing "xxx", "bbb", and "ddd".

```
PS C:\Users\Lenovo\Documents\budisaindata> cd "C:\Users\Lenovo\Documents\budisaindata\" ; if ($?) { g++ Quiz.cpp -o Quiz } ; if ($?) { .\Quiz }
xxx
bbb
ddd
PS C:\Users\Lenovo\Documents\budisaindata>
```

b.

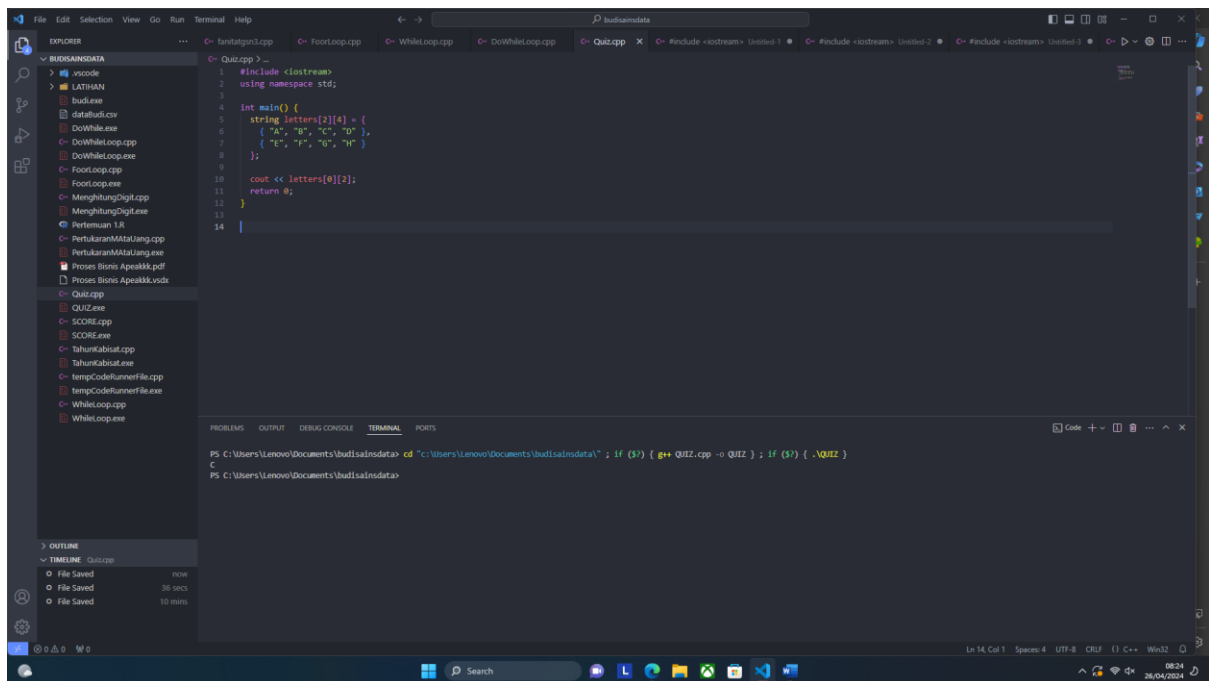


```
1 #include <iostream>
2 using namespace std;
3 int main() {
4     const int genap = 2;
5     int i;
6     int found;
7     int TabInt[10];
8     for(i = 0; i < 10; i++)
9     {
10         TabInt[i] = i * genap;
11     }
12     i = 10; found = 0;
13     while ((i > 0) && (!found)) {
14         if (TabInt[i] % 6 == 0)
15             found = 1;
16         else
17             i = i - 1;
18     }
19     if (found)
20         cout << i << endl;
21     else
22         cout << "Tidak ditemukan" << endl;
23     return 0; }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\Lenovo\Documents\budisaindata> cd "C:\Users\Lenovo\Documents\budisaindata"; if ($?) { g++ Quiz.cpp -o QUIZ }; if ($?) { .\QUIZ }
9
PS C:\Users\Lenovo\Documents\budisaindata>
```

c.

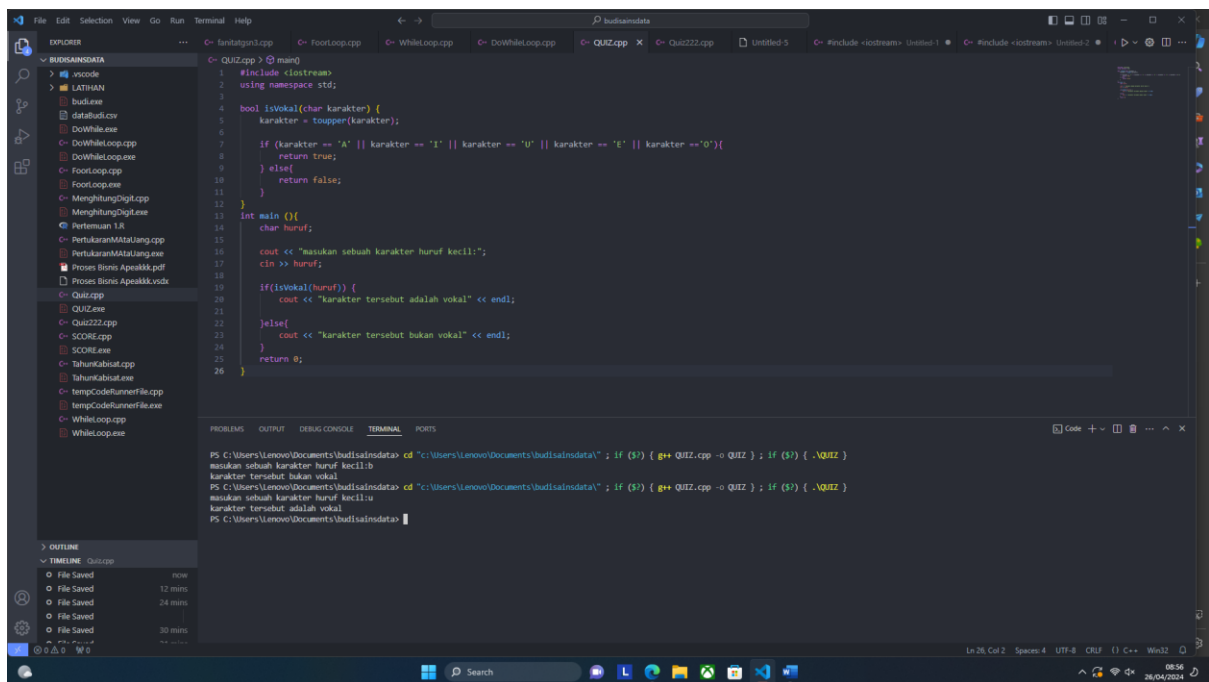


```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     string letters[2][4] = {
6         { "A", "B", "C", "D" },
7         { "E", "F", "G", "H" }
8     };
9
10    cout << letters[0][2];
11    return 0;
12 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\Lenovo\Documents\budisaindata> cd "C:\Users\Lenovo\Documents\budisaindata"; if ($?) { g++ Quiz.cpp -o QUIZ }; if ($?) { .\QUIZ }
C
PS C:\Users\Lenovo\Documents\budisaindata>
```

No. 3



The screenshot shows a C++ IDE with a project named 'budisaindata'. The main file, 'QUIZ.cpp', contains the following code:

```
1 #include <iostream>
2 using namespace std;
3
4 bool isVokal(char karakter) {
5     karakter = toupper(karakter);
6
7     if (karakter == 'A' || karakter == 'I' || karakter == 'U' || karakter == 'E' || karakter == 'O'){
8         return true;
9     } else{
10         return false;
11     }
12 }
13
14 int main () {
15     char huruf;
16     cout << "Masukan sebuah karakter huruf kecil:";
17     cin >> huruf;
18
19     if(isvokal(huruf)) {
20         cout << "karakter tersebut adalah vokal" << endl;
21     } else{
22         cout << "karakter tersebut bukan vokal" << endl;
23     }
24     return 0;
25 }
```

The terminal output shows the program's execution:

```
PS C:\Users\Lenovo\Documents\budisaindata> cd "C:\Users\Lenovo\Documents\budisaindata\" ; if ($?) { g++ QUIZ.cpp -o QUIZ }; if ($?) { .\QUIZ }
Masukan sebuah karakter huruf kecil:b
karakter tersebut bukan vokal
PS C:\Users\Lenovo\Documents\budisaindata> cd "C:\Users\Lenovo\Documents\budisaindata\" ; if ($?) { g++ QUIZ.cpp -o QUIZ }; if ($?) { .\QUIZ }
Masukan sebuah karakter huruf kecil:u
karakter tersebut adalah vokal
PS C:\Users\Lenovo\Documents\budisaindata>
```

No.4

A. String cars =

{"volvo","BMW","Ford","Mazda",

B. String food = "Pizza";

String *ptr = &food;