

NRP : 2C2230001

[illegible]

```

1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int n;
6     cout << "Masukan bilangan (bukan bilangan negatif): ";
7     cin >> n;
8
9     int i = 0;
10    while (i < n) {
11        cout << "Hello, World!" << endl;
12        i++;
13    }
14
15    return 0;
16 }

```

PROBLEMS	OUTPUT	DEBUG CONSOLE	TERMINAL	PORTS
			<pre>PS D:\VlaD\2C223001_SainsData> g++ c:\Users\Lenovo\vscode\extensions\ms-vscode.cpptools-launcher-1.22.1\bin\cpptools_launcher.exe --stdio Microsoft.VisualStudio.Code.CppDebugConsole Masukan bilangan (bukan bilangan negatif): 12 Hello, World! Hello, World! Hello, World! Hello, World! Hello, World! Hello, World! Hello, World! Hello, World! Hello, World! Hello, World! Hello, World!</pre>	
			<pre>PS D:\VlaD\2C223001_SainsData></pre>	

[illegible]

2.

a. output program ke -1

```
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 }
```

PS D:\Rafid_2C223001_SainsData> ^C
PS D:\Rafid_2C223001_SainsData>
PS D:\Rafid_2C223001_SainsData> & "c:\Users\Lenovo\.vscode\extensions\ms-vscode-vscode-cpp-1.62.0\bin\Debug\vscode-cpp.exe" --stderr=Microsoft.VisualStudio.C.
XXX
bbb
PS D:\Rafid_2C223001_SainsData> |

b. Output program ke -2

```
2.2.cpp > main()
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; }
```

PS D:\Rafid_2C223001_SainsData> ^C
PS D:\Rafid_2C223001_SainsData>
PS D:\Rafid_2C223001_SainsData> & "c:\Users\Lenovo\.vscode\extensions\ms-vscode-vscode-cpp-1.62.0\bin\Debug\vscode-cpp.exe" --stderr=Microsoft.VisualStudio.C.
10
PS D:\Rafid_2C223001_SainsData> |

c. output program ke-3

```
2.3.cpp > main()
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 }
13
14
```

PS D:\Rafid_2C223001_SainsData> ^C
PS D:\Rafid_2C223001_SainsData>
PS D:\Rafid_2C223001_SainsData> & "c:\Users\Lenovo\.vscode\extensions\ms-vscode-vscode-cpp-1.62.0\bin\Debug\vscode-cpp.exe" --stderr=Microsoft.VisualStudio.C.
C
PS D:\Rafid_2C223001_SainsData> |

3.

```
1: boolalpha > @ main()
2: #include <iostream>
3: #include <ctype>
4: using namespace std;
5:
6: bool Isvokal(char c) {
7:     c = tolower(c); // konversi huruf besar
8:     return c == 'a' || c == 'i' || c == 'e' || c == 'o';
9: }
10:
11: int main() {
12:     cout << boolalpha << Isvokal('a') << endl; // Output: true
13:     cout << boolalpha << Isvokal('b') << endl; // Output: false
14:     return 0;
15: }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\Wafid_K2223001_Saindata> ^C
PS D:\Wafid_K2223001_Saindata>
PS D:\Wafid_K2223001_Saindata> & "C:\Users\lunovel\vscode\extensions\ms-vscode.cpptools\cpptools-0.10.0\bin\cpptools.exe" --std=Microsoft.VisualStudio.CppToolset.1.0
true
false
PS D:\Wafid_K2223001_Saindata> []
```

4. lengkapi bagian dari program berikut:

a. Membuat larik tipe string bernama cars
string cars[4] = {"Volvo", "BMW", "Ford", "Mazda"};

B. Buat penunjuk variabel dengan nama ptr, yang harus menunjuk ke variabel string bernama food:

string food = "Pizza";

string* ptr = &food;