

No 1

```
#include <iostream>
```

```
#include <cmath>
```

```
using namespace std;
```

```
int main() {  
    int detik;
```

```
    cout << "Masukkan waktu dalam detik: ";  
    cin >> detik;
```

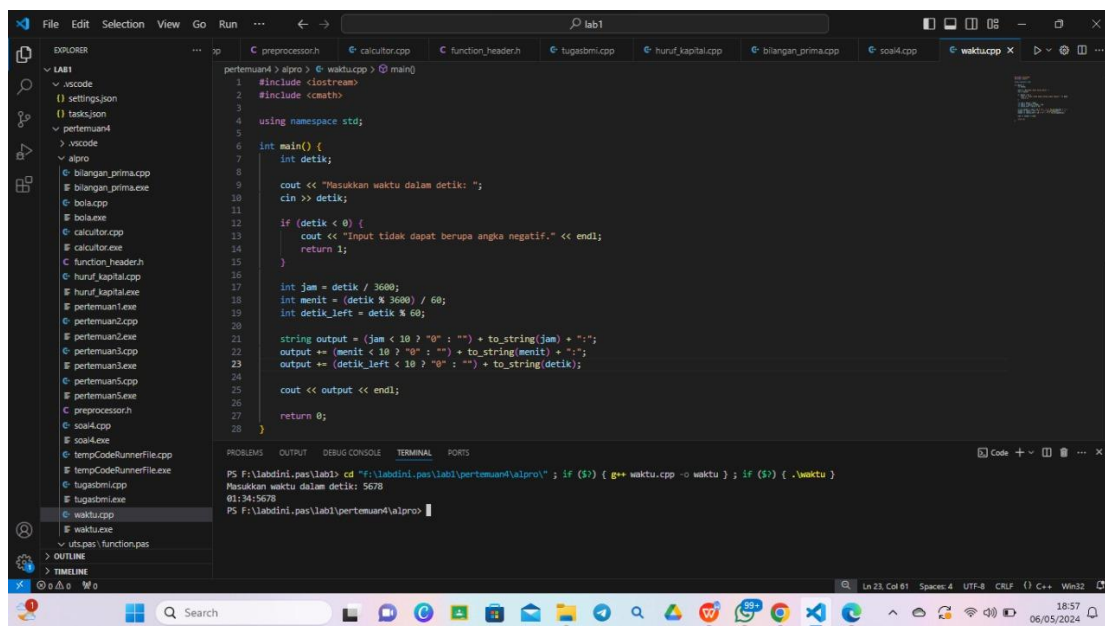
```
    if (detik < 0) {  
        cout << "Input tidak dapat berupa angka negatif." << endl;  
        return 1;  
    }
```

```
    int jam = detik / 3600;  
    int menit = (detik % 3600) / 60;  
    int detik_left = detik % 60;
```

```
    string output = (jam < 10 ? "0" : "") + to_string(jam) + ":";  
    output += (menit < 10 ? "0" : "") + to_string(menit) + ":";  
    output += (detik_left < 10 ? "0" : "") + to_string(detik);
```

```
    cout << output << endl;
```

```
    return 0;  
}
```



```
perlemuan4 > alpro > E waktu.cpp @ main()
1 #include <iostream>
2 #include <cmath>
3
4 using namespace std;
5
6 int main() {
7     int detik;
8
9     cout << "Masukkan waktu dalam detik: ";
10    cin >> detik;
11
12    if (detik < 0) {
13        cout << "Input tidak dapat berupa angka negatif." << endl;
14        return 1;
15    }
16
17    int jam = detik / 3600;
18    int menit = (detik % 3600) / 60;
19    int detik_left = detik % 60;
20
21    string output = (jam < 10 ? "0" : "") + to_string(jam) + ":";
22    output += (menit < 10 ? "0" : "") + to_string(menit) + ":";
23    output += (detik_left < 10 ? "0" : "") + to_string(detik);
24
25    cout << output << endl;
26
27    return 0;
28 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
P5 F:\lab1\pas\lab1> cd "F:\lab1\pas\lab1\perlemuan4\alpro" ; if ($?) { g++ waktu.cpp -o waktu ; if ($?) { .\waktu }
Masukkan waktu dalam detik: 5678
01:34:5678
P5 F:\lab1\pas\lab1\perlemuan4\alpro: 
```

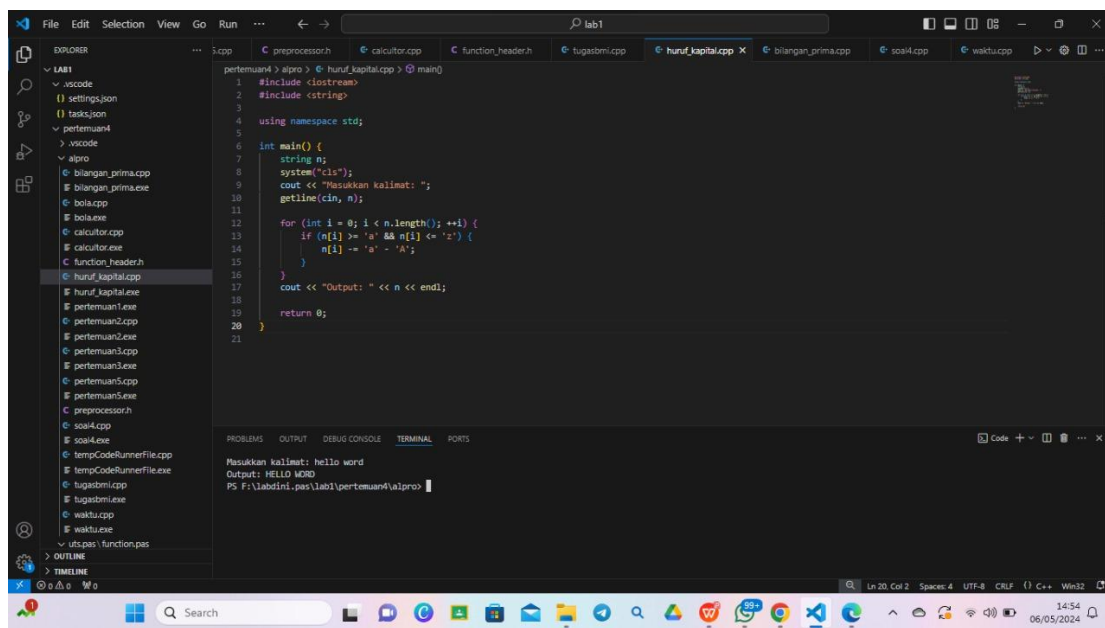
No 2.

```
#include <iostream>
```

```
#include <string>
```

```
using namespace std;
```

```
int main() {  
    string n;  
    system("cls");  
    cout << "Masukkan kalimat: ";  
    getline(cin, n);  
  
    for (int i = 0; i < n.length(); ++i) {  
        if (n[i] >= 'a' && n[i] <= 'z') {  
            n[i] -= 'a' - 'A';  
        }  
    }  
    cout << "Output: " << n << endl;  
  
    return 0;  
}
```



No 3.

```
#include <iostream>
```

```
#include <cmath>
```

```
using namespace std;
```

```
bool isPrime(int n) {
```

```
    if (n <= 1) {
```

```
        return false;
```

```
    }
```

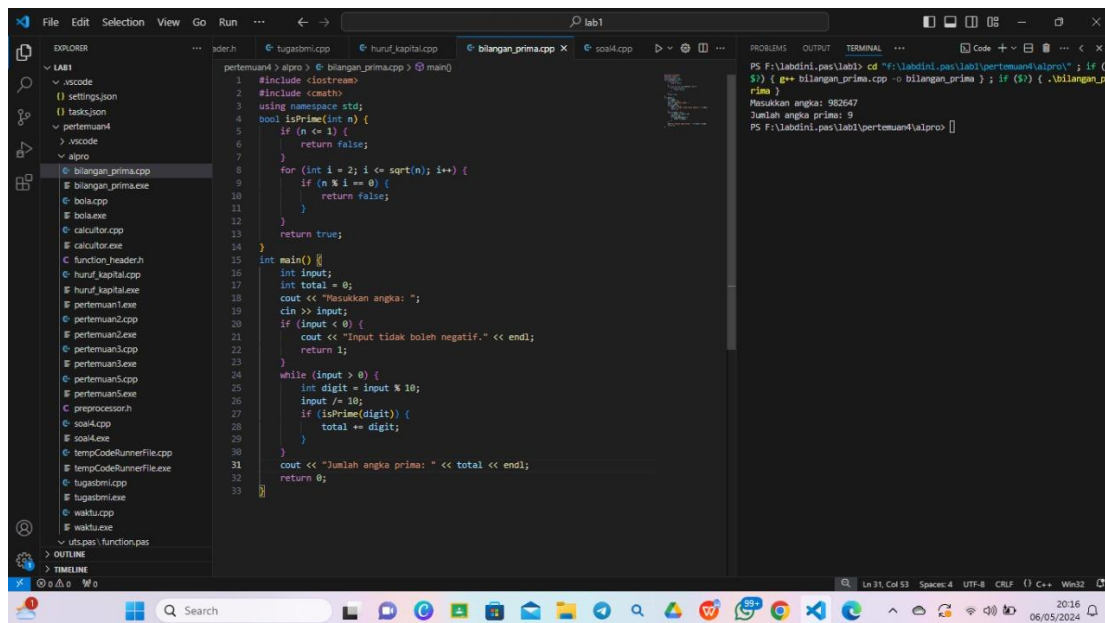
```
    for (int i = 2; i <= sqrt(n); i++) {
```

```
        if (n % i == 0) {
```

```

        return false;
    }
}
return true;
}
int main() {
    int input;
    int total = 0;
    cout << "Masukkan angka: ";
    cin >> input;
    if (input < 0) {
        cout << "Input tidak boleh negatif." << endl;
        return 1;
    }
    while (input > 0) {
        int digit = input % 10;
        input /= 10;
        if (isPrime(digit)) {
            total += digit;
        }
    }
    cout << "Jumlah angka prima: " << total << endl;
    return 0;
}

```



No 4.

```

#include <iostream>
#include <cmath>
using namespace std;

```

```

int main() {

```

```
int n;
system("CLS");

cout << "Insert a number: ";
cin >> n;

if (n < 2) {
    cout << n << " Bukanlah bilangan prima.";
} else {
    bool isPrime = true;
    for (int i = 2; i <= sqrt(n); i++) {
        if (n % i == 0) {
            isPrime = false;
            break;
        }
    }

    if (isPrime) {
        cout << n << " adalah bilangan prima. ";
    } else {
        cout << n << " Bukanlah bilangan prima. ";
    }
}

return 0;
}
```