

main.c

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15

16 // Function to simulate RSA signature generation

17 void generateRSASignature(const char \*message) {

18 // Simulated RSA signature (same for the same message)

19 int signature = 42; // Fixed signature for demonstration

20 printf("RSA Signature for message '%s': %d\n", message,

signature);

21 }

22

23 int main() {

24 srand(time(NULL)); // Seed for random number generation

25

26 const char \*message = "Hello, this is a test message.";

27

28 // Generate DSA signature

29 generateDSASignature(message);

30 generateDSASignature(message); // Generate again to show

different signature

31

32 // Generate RSA signature

33 generateRSASignature(message);

34 generateRSASignature(message); // Generate again to show same

signature

35

Output

Clear

^ DSA Signature for message 'Hello, this is a test message.': (r: 20, s: 43)

with k: 75

DSA Signature for message 'Hello, this is a test message.': (r: 32, s: 89)

with k: 19

RSA Signature for message 'Hello, this is a test message.': 42

RSA Signature for message 'Hello, this is a test message.': 42

=== Code Execution Successful ===

Activate Windows

Go to Settings to activate Windows.