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**Question -- write a function to add two numbers**

#include <iostream>

using namespace std;

// Function to add two numbers

int addNumbers(int a, int b) {

return a + b;

}

int main() {

int num1, num2;

// Input two numbers

cout << "Enter first number: ";

cin >> num1;

cout << "Enter second number: ";

cin >> num2;

// Call the function and display the result

int sum = addNumbers(num1, num2);

cout << "The sum of " << num1 << " and " << num2 << " is: " << sum << endl;

return 0;

}

**Question-- create a function prime or not**

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#include <iostream>

using namespace std;

bool isPrime(int n) {

if (n <= 1)

return false;

for (int i = 2; i \* i <= n; i++) {

if (n % i == 0)

return false;

}

return true;

}

int main() {

int num;

cout << "Enter a number: ";

cin >> num;

if (isPrime(num))

cout << num << " is a prime number." << endl;

else

cout << num << " is not a prime number." << endl;

return 0;

}

\*/

**Question-- create a function to check number is GCD**

/\*

#include <iostream>

using namespace std;

int gcd(int a, int b) {

if (b == 0)

return a;

return gcd(b, a % b);

}

int main() {

int num1, num2;

cout << "Enter two numbers: ";

cin >> num1 >> num2;

int result = gcd(num1, num2);

cout << "The GCD of " << num1 << " and " << num2 << " is: " << result << endl;

return 0;

}

\*/

**Question-- Iterative C++ program to reverse a linked list**

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#include <iostream>

using namespace std;

class Node {

public:

int data;

Node\* next;

Node(int new\_data) {

data = new\_data;

next = nullptr;

}

};

Node\* reverseList(Node\* head) {

Node \*curr = head, \*prev = nullptr, \*next;

while (curr != nullptr) {

next = curr->next;

curr->next = prev;

prev = curr;

curr = next;

}

return prev;

}

void printList(Node\* node) {

while (node != nullptr) {

cout << " " << node->data;

node = node->next;

}

}

int main() {

Node\* head = new Node(1);

head->next = new Node(2);

head->next->next = new Node(3);

head->next->next->next = new Node(4);

head->next->next->next->next = new Node(5);

cout << "Given Linked list:";

printList(head);

head = reverseList(head);

cout << "\nReversed Linked List:";

printList(head);

return 0;

}

\*/

**Question-- Create a function to check number is perfect or not**

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#include <iostream>

using namespace std;

bool isPerfectNumber(int n) {

if (n <= 1) return false;

int sum = 0;

for (int i = 1; i <= n / 2; ++i) {

if (n % i == 0) {

sum += i;

}

}

return sum == n;

}

int main() {

int number;

cout << "Enter a number: ";

cin >> number;

if (isPerfectNumber(n0umber)) {

cout << number << " is a perfect number." << endl;

} else {

cout << number << " is not a perfect number." << endl;

}

return 0;

}

\*/

**Question -- reverse a string in c++**

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#include <iostream>

#include <string>

using namespace std;

string reverseString(const string& input) {

string reversed = input;

int n = reversed.length();

for (int i = 0; i < n / 2; ++i) {

swap(reversed[i], reversed[n - i - 1]);

}

return reversed;

}

int main() {

string str = "Hello, World!";

cout << "Original String: " << str << endl;

cout << "Reversed String: " << reverseString(str) << endl;

return 0;

}

\*/