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Assignment: Week 9

Problem 901.

#include <iostream> //library

#include <cstring> //library

using namespace std;

string wow(char tokyo[]) { //start function and initialization

int z = 0; //initialization

for (int rio = 0; rio < strlen(tokyo); rio++) //loop

{

if ((tokyo[rio] == 'A' || tokyo[rio] == 'a') && (tokyo[rio + 1] == 'I' || tokyo[rio + 1] == 'i') && (tokyo[rio + 2] == 'T' || tokyo[rio + 2] == 't') && (tokyo[rio + 3] == 'U' || tokyo[rio + 3] == 'u')) //condition

{

return "YES";// return yes

}

}

for (int rio = 0; rio < strlen(tokyo); rio++) //loop

{

if ((tokyo[rio] != 'A' || tokyo[rio] != 'a') && (tokyo[rio + 1] != 'I' || tokyo[rio + 1] != 'i') && (tokyo[rio + 2] != 'T' || tokyo[rio + 2] != 't') && (tokyo[rio + 3] != 'U' || tokyo[rio + 3] != 'u')) { //condition

return "NO"; // return no

}

}

}

int main() //start main function

{

char tokyo[1000]; //initialization

cin >> tokyo; //input

string (\*japan)(char[]) = wow; //initialization

cout << japan(tokyo); //output

}

Problem 902.

#include <iostream> //library

#include <cstring> //library

#include <string> //library

using namespace std;

void wow(char tokyo[]) { //start function and initialization

int rio = 0; //initialization

while (rio < strlen(tokyo)) { //loop

if (tokyo[rio] == '!') //condition

{

tokyo[rio] = '.'; //output

}

{

cout << tokyo[rio]; //output

rio++; //part of loop

}

}

}

int main() //start main function

{

char tokyo[1000]; //initialization

void (\*japan)(char[]) = wow; //initialization

cin.getline(tokyo, 1000); //initialization

japan(tokyo); //output

}

Problem 903.

#include <iostream> //library

#include <cstring> //library

using namespace std;

void wow(string tokyo) //start function and initialization

{

int berlin = 0; //initialization

int rio = tokyo.length()-1; //initialization

string moscow = " "; //initialization

do { //loop

{

berlin++; //increment

if (berlin == 3) //condition

{

tokyo.insert(rio, moscow); //output

berlin = 0;

}

rio--; //part of loop

}

} while (rio > 0); { //loop

cout << tokyo; //output

}

}

int main() //start main function

{

string tokyo; //initialization

cin >> tokyo; //input

void (\*japan)(string) = wow; //initialization

japan(tokyo); //output

}

Problem 904.

#include <iostream> //library

#include <cstring> //library

#include <string> //library

#include <cctype> //library

using namespace std;

void wow(string tokyo) //start function and initialization

{

string moscow; //initialization

int berlin = tokyo.length() - 1; //initialization

do //loop

{

berlin--; //part of loop

} while (berlin > 0 && tokyo[berlin] != ' '); //loop

int rio = berlin + 1; //initialization

do //loop

{

if (isalpha(tokyo[rio])) { //condition

if (tokyo[rio] >= 'a' && tokyo[rio] <= 'z') { //condition

tokyo[rio] = toupper(tokyo[rio]); //output

}

moscow = moscow + tokyo[rio]; //output

}

rio++; //part of loop

} while (rio < tokyo.length()); //loop

cout << moscow; //output

}

int main() //start main function

{

string tokyo; //initialization

getline(cin, tokyo); //initialization

void(\*japan)(string) = wow; //initialization

japan(tokyo); //output

}

Problem 909.

#include <iostream> //library

#include <cstring> //library

using namespace std;

void wow(string tokyo) //start function and initialization

{

int chetnoe = 0, nechetnoe = 0; //initialization

for (int rio = 0; rio < tokyo.length(); rio++)

{

if (rio % 2 != 0) { //condition

chetnoe += (tokyo[rio] - '0'); //output

}

else { //condition

nechetnoe += (tokyo[rio] - '0'); //output

}

}

if ((nechetnoe - chetnoe) % 11 == 0) { //condition

cout << "YES"; //output

}

else if (((nechetnoe - chetnoe) % 11 != 0)) { //condition

cout << "NO"; //output

}

}

int main() //start main function

{

string tokyo; //initialization

cin >> tokyo; //input

wow(tokyo); //initialization

}

Problem 910.

#include <iostream> //library

#include <cstring> //library

using namespace std;

string wow(char tokyo[]) { //start function and initialization

int z = 0; //initialization

for (int rio = 0; rio < strlen(tokyo) - 3; rio++) //loop

{

if ((tokyo[rio] == '>') && (tokyo[rio + 1] == '>') && (tokyo[rio + 2] == '-') && (tokyo[rio + 3] == '-') && (tokyo[rio + 4] == '>')) { z++; } //condition and output

else if ((tokyo[rio] == '<') && (tokyo[rio + 1] == '-') && (tokyo[rio + 2] == '-') && (tokyo[rio + 3] == '<') && (tokyo[rio + 4] == '<')) { z++; } //condition and output

}

cout << z; //output

return 0; // return

}

int main() //start main function

{

char\* tokyo = new char[10001]; //initialization

cin >> tokyo; //input

string(\*japan)(char[]) = wow; //initialization

cout << japan(tokyo); //output

}