Câu 1:

#include <iostream>

using namespace std;

int main()

{ int N; int \*arr; cout << "Nhap mot so nguyen N:" << endl;

cin >> N;

arr = new int[N];

for (int i = 0; i < N; ++i) { cout << "Nhap phan tu thu " << (i + 1) << ": "; cin >> arr[i];

} while (--N >= 0) { if (N > 0) { cout << arr[N] << ", "; }

else { cout << arr[N] << endl; } }

return 0; }

câu 2:

#include <iostream>

#include <cstdlib>

using namespace std;

#define INITIAL\_ARR\_SIZE 10

int main()

{ int n = 0; int size = INITIAL\_ARR\_SIZE;

double \*arr = (double \*) malloc(sizeof(double) \* size);

cout << "Nhap phan tu thu " << (n + 1) << " (ctrl + D de dung): ";

while (1) { fflush(stdin);

if (!(cin >> arr[n])) { if (cin.eof()) { break;

} return 1;

} ++n; if (n >= size) { size += INITIAL\_ARR\_SIZE; arr = (double \*) realloc(arr, sizeof(double) \* size); }

cout << "Nhap phan tu thu " << (n + 1) << " (ctrl + D de dung): "; }

cout << "" << endl; for (int i = 0; i < n; ++i) { if (i < n - 1) { cout << arr[i] << ", "; }

else { cout << arr[i] << endl; } }

return 0; }

câu 4:

#include <iostream>

#include <cstdlib>

#include <cstring>

using namespace std;

#define BUFFER\_SIZE 10

char \*input(char \*msg) {

int n = 0;

int size = BUFFER\_SIZE;

char \*s1 = (char \*) malloc(sizeof(char) \* size + 1);

cout << msg;

char c;

while ((c = (char) getchar()) != '\n') {

s1[n] = c;

++n;

if (n >= size) {

size += BUFFER\_SIZE;

s1 = (char \*) realloc(s1, sizeof(char) \* size + 1);

}

}

s1[n] = 0;

return s1;

}

int main() {

char \*s1 = input((char \*) "Nhap chuoi 1: ");

char \*s2 = input((char \*) "Nhap chuoi 2: ");

if (strcmp(s1, s2)) {

cout << "Khong giong nhau" << endl;

} else {

cout << "Giong nhau" << endl;

}

free(s1);

free(s2);

return 0;

}

câu 3 :

#include <iostream>

#include <cstdlib>

using namespace std;

#define BUFFER\_SIZE 10

int main()

{ int n = 0;

int size = BUFFER\_SIZE; char \*s1 = (char \*) malloc(sizeof(char) \* size + 1); char \*s2; cout << "Nhap chuoi: ";

char c;

while ((c = (char) getchar()) != '\n') { s1[n] = c; ++n; if (n >= size) { size += BUFFER\_SIZE; s1 = (char \*) realloc(s1, sizeof(char) \* size + 1); }

}

s1[n] = 0; s2 = (char \*) malloc(sizeof(char) \* n);

for (int i = 0; i < n; ++i) { s2[i] = s1[i]; } cout << s2 << endl;

return 0; }

câu 5:

#include <iostream>

using namespace std;

int main(int argc, char \*\*argv) {

string \*arr = new string[argc];

for (int i = 0; i < argc; ++i) {

arr[i] = argv[i];

}

for (int i = 0; i < argc; ++i) {

cout << arr[i] << endl;

}

return 0;

}