https://github.com/MeDoByXa3890/-

#include <iostream>

#include <math.h>

#include <random>

using namespace std;

void prm(int\* mas, int n) {

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

cout << mas[i] << "\t";

}cout << endl;

}

int main() {

int z;

while (true) {

cout << "input task number: ";

cin >> z;

switch (z) {

case 0:

return 0;

case 1: {

int n, a = 1;

cin >> n;

int\* mas = new int[n];

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

mas[i] = a;

a = a + 2;

}

prm(mas, n);

}break;

case 2: {

int n, a, d;

cout << "Input N: ";

cin >> n;

cout << "Input A: ";

cin >> a;

cout << "Input D: ";

cin >> d;

int\* mas = new int[n];

for (int i = 0; i < n; i++) mas[i] = a \* pow(d, i);

prm(mas, n);

}break;

case 3: {

int n, a, b;

cout << "Input N: ";

cin >> n;

int\* mas = new int[n];

cout << "Input A: ";

cin >> mas[0];

cout << "Input B: ";

cin >> mas[1];

mas[2] = mas[0] + mas[1];

for (int i = 3; i < n; i++) mas[i] = mas[i - 1] \* 2;

prm(mas, n);

}break;

case 4: {

int n;

cin >> n;

int\* mas = new int[n];

random\_device rd;

mt19937 gen(rd());

uniform\_int\_distribution <> dist(1, 100);

for (int i = 0; i < n; i++) mas[i] = dist(gen);

prm(mas, n);

int j = n;

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

cout << mas[i] << "\t" << mas[j - 1] << "\t";

j--;

}cout << endl;

}break;

case 5: {

int n;

cin >> n;

int\* mas = new int[n];

random\_device rd;

mt19937 gen(rd());

uniform\_int\_distribution <> dist(1, 100);

for (int i = 0; i < n; i++) mas[i] = dist(gen);

prm(mas, n);

for (int i = 1; i < n; i = i + 2) cout << mas[i] << "\t";

cout << endl;

for (int i = n-1; i >= 0; i = i -2) cout << mas[i] << "\t";

cout << endl;

}break;

}

}

}