TASK 1:

#include<iostream>

using namespace std;

int p[4];

int M;

void readaaray() {

for (int i = 0; i < 30; i++) {

cin >> p[i];

}

}

void findevensum() {

int i, oddSum = 0, evenSum = 0;

for (i = 0; i < 30; i++) {

if (p[i] % 2 == 0) {

evenSum = evenSum + p[i];

}

}

cout << "THE EVEN SUM IS: " << evenSum << endl;

}

void Print3Smallest()

{

int MAX = 1000;

int firstmin = MAX, secondmin = MAX, thirdmin = MAX;

for (int i = 0; i < 30; i++)

{

if (p[i] < firstmin)

{

thirdmin = secondmin;

secondmin = firstmin;

firstmin = p[i];

}

else if (p[i] < secondmin)

{

thirdmin = secondmin;

secondmin = p[i];

}

else if (p[i] < thirdmin)

thirdmin = p[i];

}

cout << "The Third Lowest number in the array is : " << thirdmin << endl;

}

void findgreater() {

cin >> M;

for (int i = 0; i < 30; i++) {

while (p[i] > M) {

cout << p[i];

}

}

}

void reversevalues() {

cout << "The Array is:" << endl;

for (int i = 0; i < 30; i++)

cout << p[i] << " ";

cout << endl;

cout << "The Reverse of Array is: " << endl;

for (int i = (30 - 1); i >= 0; i--)

cout << p[i] << " ";

cout << endl;

}

void displayaboveaverage() {

int i, count, sum;

float average;

sum = 0;

for (i = 0; i < 30; i++) {

sum += p[i];

}

average = (float)sum / 30;

cout << "The Average is : " << average << endl;

}

int main() {

readaaray();

findevensum();

Print3Smallest();

findgreater();

reversevalues();

displayaboveaverage();

}

Task 3:

#include<iostream>

using namespace std;

int p[4];

int M;

void readaaray() {

for (int i = 0; i < 4; i++) {

cin >> p[i];

}

}

void findevensum() {

int i, oddSum = 0, evenSum = 0;

for (i = 0; i < 4; i++) {

if (p[i] % 2 == 0) {

evenSum = evenSum + p[i];

}

}

cout << "THE EVEN SUM IS: " << evenSum << endl;

}

void Print3Smallest()

{

int MAX = 1000;

int firstmin = MAX, secondmin = MAX, thirdmin = MAX;

for (int i = 0; i < 4; i++)

{

if (p[i] < firstmin)

{

thirdmin = secondmin;

secondmin = firstmin;

firstmin = p[i];

}

else if (p[i] < secondmin)

{

thirdmin = secondmin;

secondmin = p[i];

}

else if (p[i] < thirdmin)

thirdmin = p[i];

}

cout << "The Third Lowest number in the array is : " << thirdmin << endl;

}

void findgreater() {

cin >> M;

for (int i = 0; i < 4; i++) {

while (p[i] > M) {

cout << p[i];

}

}

}

void reversevalues() {

cout << "The Array is:" << endl;

for (int i = 0; i < 4; i++)

cout << p[i] << " ";

cout << endl;

cout << "The Reverse of Array is: " << endl;

for (int i = (4 - 1); i >= 0; i--)

cout << p[i] << " ";

cout << endl;

}

void displayaboveaverage() {

int i, count, sum;

float average;

sum = 0;

for (i = 0; i < 4; i++) {

sum += p[i];

}

average = (float)sum / 4;

cout << "The Average is : " << average << endl;

}

int main() {

readaaray();

findevensum();

Print3Smallest();

findgreater();

reversevalues();

displayaboveaverage();

}

STRING TASK 2:

#include <iostream>

#include <string.h>

using namespace std;

int main()

{

string phone;

while (1)

{

cout << "Enter your contact number: " << endl;

cin >> phone;

if (phone[0] == '+' && phone[1] == '5' && phone[2] == '1')

{

cout << "The number is from Islamobod." << endl;

break;

}

else if (phone[0] == '+' && phone[1] == '4' && phone[2] == '2')

{

cout << "The number is from Lahore." << endl;

break;

}

else if (phone[0] == '+' && phone[1] == '2' && phone[2] == '1')

{

cout << "The number is from Karachi." << endl;

break;

}

else

{

cout << "The number is an Un-known number" << endl;

break;

}

}

char user;

cout << "DO you want to enter another program?";

cin >> user;

if (user == 'y' || user == 'Y')

{

cin >> phone;

}

else if (user == 'n' || user == 'N')

{

cout << "END OF PROGRAM Bye!" << endl;

}

system("pause");

return 0;

}