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Section- C

417648

PROGRAM 1:

#include <iostream>

using namespace std;

int main() {

int numbers[10];

for (int i = 0; i < 10; i++) {

cout << "Enter integer " << i + 1 << ": ";

cin >> numbers[i];

}

cout << endl;

cout << "The numbers you entered are:" << endl;

for (int i = 0; i < 10; i++) {

cout << numbers[i] << " ";

}

return 0;

}

PROGRAM 2:

#include <iostream>

using namespace std;

int main() {

int arr[5];

int sum = 0;

int product = 1;

for (int i = 0; i < 5; i++) {

cout << "Enter integer " << i + 1 << ": ";

cin >> arr[i];

}

for (int i = 0; i < 5; i++) {

sum += arr[i];

product \*= arr[i];

}

cout << "The sum of the array elements is: " << sum << endl;

cout << "The product of the array elements is: " << product << endl;

return 0;

}

PROGRAM 3:

#include <iostream>

using namespace std;

int main() {

int n, i, j, k;

cout << "Enter the number of rows: ";

cin >> n;

k = n;

for (i = 1; i <= n; i++) {

for (j = 1; j <= k; j++) {

cout << " ";

}

k--;

for (j = 1; j <= 2 \* i - 1; j++) {

cout << "\*";

}

cout << endl;

}

k = 1;

for (i = n - 1; i >= 1; i--) {

for (j = 1; j <= k; j++) {

cout << " ";

}

k++;

for (j = 1; j <= 2 \* i - 1; j++) {

cout << "\*";

}

cout << endl;

}

return 0;

}