Task 1

#include <iostream>

using namespace std;

int main() {

    int size;

    cout << "Enter the number of scores: "<<endl;

    cin >> size;

    int\* scores = new int[size];

    std::cout << "Enter " << size << " scores:" <<endl;

    for (int i = 0; i < size; i++) {

    cout << "Score " << (i + 1) << " scors: ";

 cin >> scores[i];

    }

  cout << "\nStored Scores:" << std::endl;

    for (int i = 0; i < size; i++) {

    cout << "Score " << (i + 1) << ": " << scores[i] <<endl;

    }

    delete[] scores;

    return 0;

}

Task 2

#include <iostream>

using namespace std;

int main() {

    const int NUM\_STUDENTS = 10;

    int studyHours[NUM\_STUDENTS];

    for (int i = 0; i < NUM\_STUDENTS; i++) {

    cout << "Enter hours studied by Student " << (i + 1) << ": ";

  cin >> studyHours[i];

    }

cout << "\nStudy Hours for Each Student:" <<endl;

    for (int i = 0; i < NUM\_STUDENTS; i++) {

cout << "Student " << (i + 1) << ": " << studyHours[i] << " hours" <<endl;

    }

    int maxHours = studyHours[0];

    int maxStudent = 1;

    for (int i = 1; i < NUM\_STUDENTS; i++) {

    if (studyHours[i] > maxHours) {

    maxHours = studyHours[i];

maxStudent = i + 1;

   }

    }

cout << "\nStudent Who Studied the Most:" <<endl;

cout << "Student " << maxStudent << ": " << maxHours << " hours" <<endl;

    return 0;

}

Task 3

#include <iostream>

using namespace std;

int main() {

    const int SIZE = 7;

    int numbers[SIZE];

    int countMultiples = 0;

cout << "Enter seven integers:" << std::endl;

    for (int i = 0; i < SIZE; i++) {

cout << "Number " << (i + 1) << ": ";

cin >> numbers[i];

    }

    for (int i = 0; i < SIZE; i++) {

if (numbers[i] % 5 == 0) {

    countMultiples++;

    }

    }

    cout << "\nNumber of integers that are multiples of five: " << countMultiples <<endl;

    return 0;

}

Task 4

#include <iostream>

using namespace std;

int main() {

    const int SIZE = 10;

    int numbers[SIZE];

    cout<< "Enter 10 numbers:" <<endl;

    for (int i = 0; i < SIZE; i++) {

cout << "Number " << (i + 1) << ": ";

cin >> numbers[i];

    }

cout << "\nArray in Reverse Order:" <<endl;

    for (int i = SIZE - 1; i >= 0; i--) {

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

    }

    return 0;

}