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1.program:

#include<iostream>

using namespace std;

int main()

{

int painting1=4200;

int painting2=8500;

int painting3=1000;

int painting4=1300;

if(painting1>painting2 && painting1>painting3 && painting1>painting4)

{

cout<<"the old cave painting is:"<<painting1<<"years old"<<endl;

}

else if(painting2>painting1 && painting2>painting3 && painting2>painting4)

{

cout<<"the old cave painting is:"<<painting2<<"years old"<<endl;

}

else if(painting3>painting1 && painting3>painting2 && painting3>painting4)

{

cout<<"the old cave painting is:"<<painting3<<"yearsold"<<endl;

}

else

{

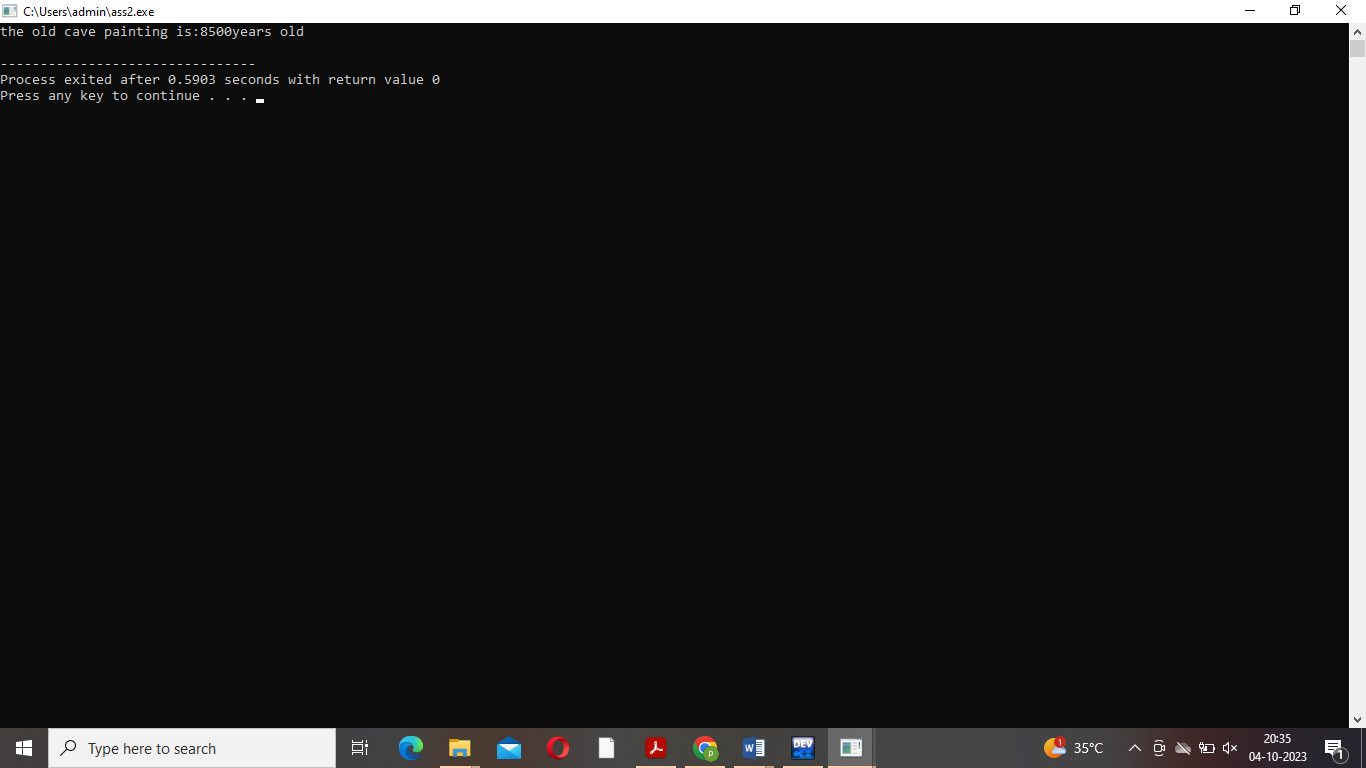
cout<<"the old cave painting is:"<<painting4<<"yearsold"<<endl;

}

return 0;

}

Output:



2.program:

#include <iostream>

class Bus {

private:

int capacity;

public:

Bus(int capacity) {

this->capacity = capacity;

}

int calculateChildren(int numberOfBuses) {

return capacity \* numberOfBuses;

}

};

int main() {

int busCapacity = 48;

int numberOfBuses = 3;

Bus bus(busCapacity);

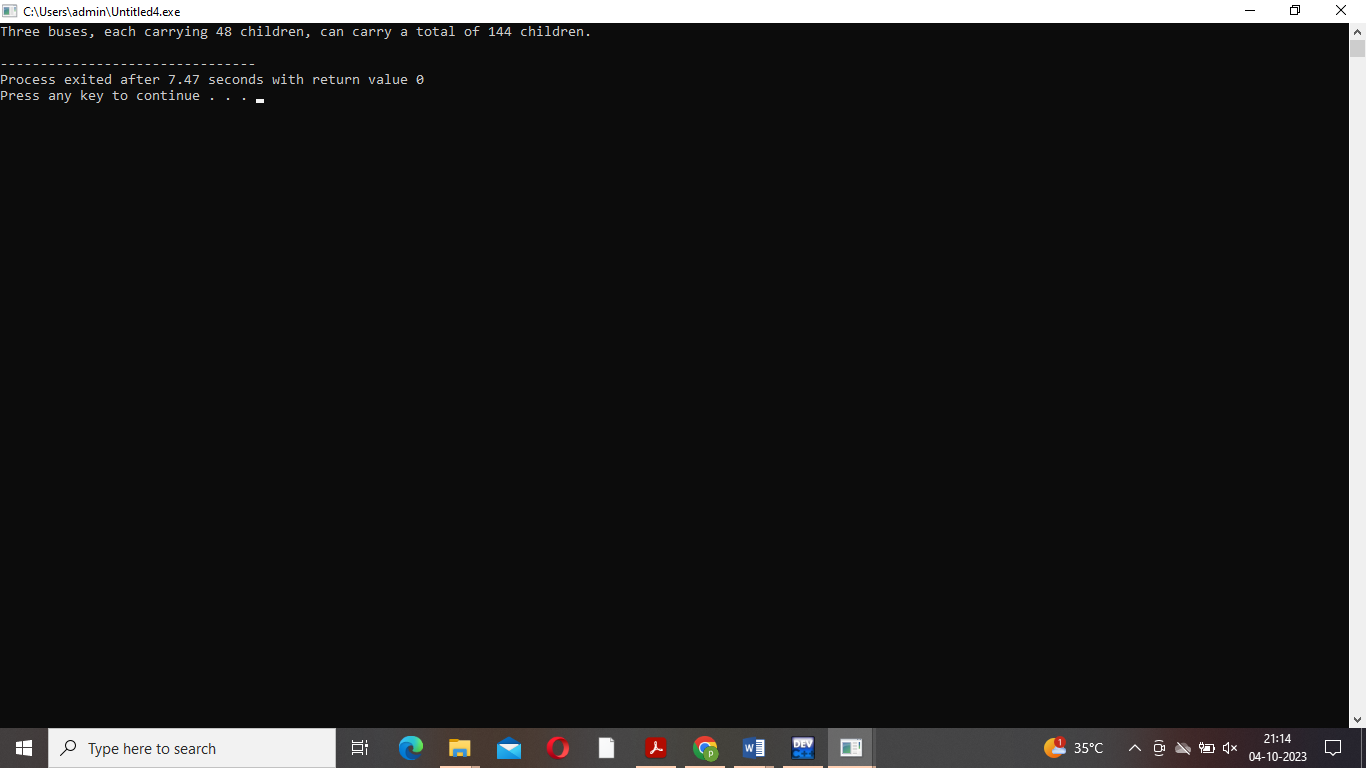
int totalChildren = bus.calculateChildren(numberOfBuses);

std::cout << "Three buses, each carrying " << busCapacity << " children, can carry a total of " << totalChildren << " children." << std::endl;

return 0;

}

Output:

program 3:

