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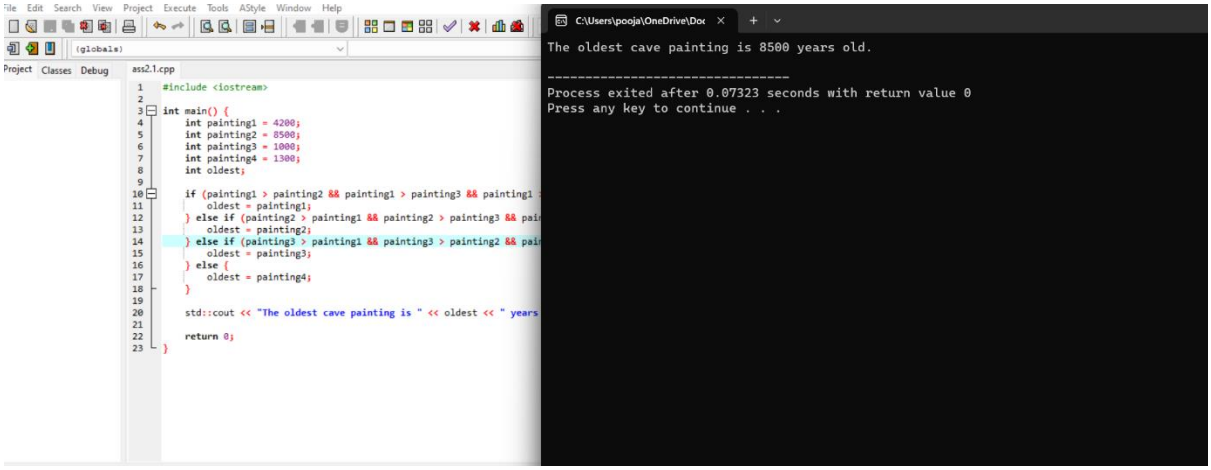
1. There are four very old cave paintings. find the oldest painting using. else if ladder. In c++. 4200 years old, 8500 years old, 1000 years old 1300 years old.



```
#include <iostream>

int main() {
    int painting1 = 4200;
    int painting2 = 8500;
    int painting3 = 1000;
    int painting4 = 1300;
    int oldest;

    if (painting1 > painting2 && painting1 > painting3 && painting1
        oldest = painting1;
    } else if (painting2 > painting1 && painting2 > painting3 && pai
        oldest = painting2;
    } else if (painting3 > painting1 && painting3 > painting2 && pai
        oldest = painting3;
    } else {
        oldest = painting4;
    }

    std::cout << "The oldest cave painting is " << oldest << " years

    return 0;
}
```

```
The oldest cave painting is 8500 years old.

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Process exited after 0.07323 seconds with return value 0
Press any key to continue . . .
```
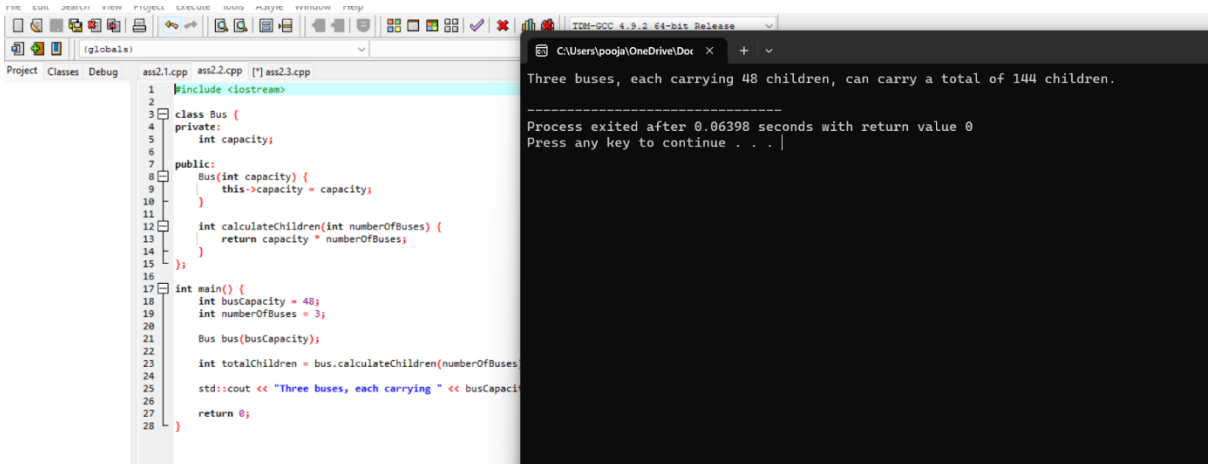

2.One bus Can carry 48 children. How many children can 3 buses carry write C++ program using parameterised constructor.



```
#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 " << busCapaci

    return 0;
}
```

```
Three buses, each carrying 48 children, can carry a total of 144 children.

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Process exited after 0.06398 seconds with return value 0
Press any key to continue . . .
```

3. Kiran bought 1 kg plastic for $10, but sold 1 kg plastic for $12. How much money does she on selling 1 kg plastic? write a C++ program using Default constructor.