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Submitted to:

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QUESTION #01

```
#include <iostream>
```

```
using namespace std;
```

```
class Cat {
```

```
private:
```

```
int color;
```

```
float weight, height;
```

```
public:
```

```
    Cat () {
```

```
        color = 0; weight = 0.0; height = 0.0;
```

```
    }
```

```
    Cat (int c, float wh, float ht) {
```

```
        color = c;
```

```
        weight = wh;
```

```
        height = ht;
```

```
    }
```

```
    void set (int c, float wh, float ht) {
```

```
        color = c;
```

```
        weight = wh;
```

```
        height = ht;
```

```
    }
```

```
    int getcolor () {
```

```
        cout << "enter color of cat : " << endl;
```

```
        cin >> color;
```

}

float get weight() {

cout << "enter weight of cat: " << endl;

cin >> weight;

}

float get height() {

cout << "enter height of cat: " << endl;

cin >> height;

}

void input() {

cout << "enter color of cat: " << endl;

cin >> color;

cout << "enter weight of cat: " << endl;

cin >> weight;

cout << "enter height of cat: " << endl;

cin >> height; }

void display() {

cout << "enter colour of cat: " << endl;

cout << "enter weight of cat: " << endl;

cout << "enter height of cat: " << endl;

}

~~int~~ {;

int main() {

cat a(4, 55, 77);

cat b;

b . input();

cout << endl;

a.display();

cout << endl;

b.display();

}

QUESTION #02

Medicine class

long name str

class building

{

private:

long area;

string address;

int floors;

public:

// constructor

Building (long, string, int);

long get area();

string get address();

int get floors();

void set Area (long);

void set Address (string);

void set floors (int);

};

class DomeMedic: Public Building {

private:

int roomNoOnAFloor;

public:

Domestic(int);

int getRoomsOnAFloor();

void setRoomsOnAFloor(int);

};

class Commercial: public Building {

private:

long monthlyLease();

void setMonthlyLease(long);

};

class Factory: public Building {

private:

int stores;

int units;

public:

void setStores(int);

void setUnits(int);

int getStores();

int getUnits();

};

