**Problem:**  Use minimum number of constructor to declare five objects using following parameters: ('A',3,3.2), ('B',2), (2,3.3,'A'), (2,3.4,2), ( 2,3.4).

#include <bits/stdc++.h>

using namespace std;

typedef long long int lli;

class sample{

int a;

float b;

char c;

public:

sample(const sample & in);

sample(char p,int q, float r = 0.0);

sample(int p,float q,char r);

sample(int p,float q, int r = 0);

};

sample :: sample(const sample & in){

a = in.a;

b = in.b;

c = in.c;

}

sample :: sample(char p,int q, float r){

a = q;

b = r;

c = p;

}

sample :: sample(int p,float q,char r){

a = p;

b = q;

c = r;

}

sample :: sample(int p,float q, int r){

a = p + r;

b = q;

}

int main(){

sample obj('A',3,3.2);

sample obj2('B',2);

sample obj3(2,3.3,'A');

sample obj4(2,3.4,2);

sample obj5(2,3.4);

}