#include <iostream>

#include<algorithm>

using namespace std;

bool compare(int a,int b){

return a<=b;

}

int main()

{

int coins[]={1,2,5,10,20,50,100,200,500,2000};

int n=sizeof(coins)/sizeof(int);

int money;

cin>>money;

while(money>0){

int lb=lower\_bound(coins,coins+n,money,compare)-coins-1;

//lower\_bound returns value >= to input value

//upper\_bound returns value < to input value

cout<<coins[lb]<<",";

money=money-coins[lb];

}

return 0;

}

Input-

2168

Output-

2000,100,50,10,5,2,1,