**package** Week3day1;

**public** **class** Armstrong {

**public** **static** **void** main(String[] args) {

**int** n;

**int** sum = 0;

**int** b;

System.***out***.println("Armstrong numbers from 100 to 1000:");

**for**(**int** i=100;i<=1000;i++)

{

n=i;

**while**(n>0)

{

//153

//trail1 //first n=153, then b=153%10=3 then sum=sum+(3\*3\*3) initially sum=0 finnaly sum=0+27=27

//trail2//now n=15 then b=15%10=5 then sum=sum+(5\*5\*5), sum=27+125=152

//trail3//now n=1 then b=1%10 then sum=sum+ (1\*1\*1), sum=152+1=153

b=n%10;

sum=sum+(b\*b\*b);

//train1//n=153/10=15

//trail2//n=15/10=1

n=n/10;

}

**if**(sum ==i)

//sum =153=i

{

System.***out***.print(i+" ");

}

sum=0;

}

}

}