**! 请于考试结束前关闭你的项目，然后把你的整个项目文件夹打包成一个“.rar”文件提交到服务器中相应的地方。**

**! 你的程序不能有基本的语法错误，否则以0分记！以“201541412118李品科”为例，提交的文件名应为“201541412118李品科.rar”，解压后的文件夹也应为“201541412118李品科”。(注：中间没有空格！)**

1**(60分)**

Design a class named MyInteger. The class contains:

* An int data field named value that stores the int value represented by this object.
* A constructor that creates a MyInteger object for the specified int value.
* A get method that returns the int value.
* Methods isEven(), isOdd(), and isPrime() that return true if the value is even, odd, or prime, respectively.
* Static methods isEven(int), isOdd(int), and isPrime(int) that return true if the specified value is even, odd, or prime, respectively.
* Static methods isEven(MyInteger), isOdd(MyInteger), and isPrime(MyInteger) that return true if the specified value is even, odd, or prime, respectively.
* Methods equals(int) and equals(MyInteger) that return true if the value in the object is equal to the specified value.
* A static method parseInt(**char**[]) that converts an array of numeric characters to an int value.

A static method parseInt(String) that converts a string into an int value.

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**以你的姓名的汉语拼音的驼峰格式为类名创建一个类，如“李品科”的类名应为“LiPinke”，在该类中实现如下方法：**

**(40分)**Some Websites impose certain rules for passwords. Write a method that checks whether a string is a valid password. Suppose the password rule is as follows:

* A password must have at least eight characters.至少8字符
* A password consists of only letters and digits.只有文字和数字
* A password must contain at least two digits.至少2个数字

Write a program that prompts the user to enter a password and displays "valid password" if the rule is followed or "invalid password" otherwise.

Sample 1

Enter a string for password: wewew43x

valid password

Sample 2

Enter a string for password: 343a

invalid password