A) Implement the body for the following function:

```
static boolean isValidDate(int year, int month, int day) {
  // do stuff here
  return false;
}
```

The function should check if the parameter values constitute a valid calendar date or not. Accordingly return true or false.

For example,
1) year=2018, month=13, day=1 is an invalid date as the possible values for month is 1 to 12.

2) year=2018, month=2, day=29 is an invalid date as the maximum days in February is 28 in the year 2018

3) year=2016, month=2, day=29 is a valid date.

B) Implement the body for the following function:

```
static int isPrimeNumber(int num) {
  // do stuff here
  return false;
}
```

The function should check and return true only if the number passed as argument is a prime number.