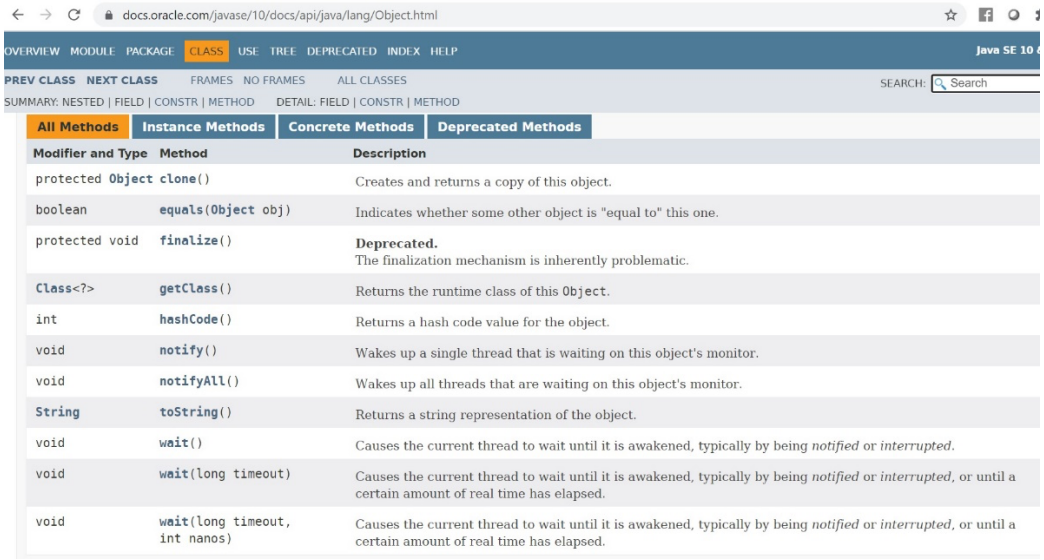
1. Below is a list of employees registered for an event organised by Greek Mythology Inc.

Name	Gender	Age
Poseidon	M	23
Hera	F	18
Apollo	M	20
Athena	F	35
Demeter	F	50

   Create an Employee class that represent an Employee. Use Java stream to filter and print all female employees aged 21 and above. Provide two alternative solutions.

2. Use a parallel stream to count number of prime numbers between 1 and 50. Write your program in such a way so that you can display which worker thread processes which numbers.

3. Question for discussion: Below are the methods of the Object class. What is the reason for Java to include wait(), notify() and notifyAll() in Object class?



docs.oracle.com/javase/10/docs/api/java/lang/Object.html

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

All Methods | Instance Methods | Concrete Methods | Deprecated Methods

Modifier and Type	Method	Description
protected Object	clone()	Creates and returns a copy of this object.
boolean	equals(Object obj)	Indicates whether some other object is "equal to" this one.
protected void	finalize()	**Deprecated.** The finalization mechanism is inherently problematic.
Class<?>	getClass()	Returns the runtime class of this Object.
int	hashCode()	Returns a hash code value for the object.
void	notify()	Wakes up a single thread that is waiting on this object's monitor.
void	notifyAll()	Wakes up all threads that are waiting on this object's monitor.
String	toString()	Returns a string representation of the object.
void	wait()	Causes the current thread to wait until it is awakened, typically by being *notified* or *interrupted*.
void	wait(long timeout)	Causes the current thread to wait until it is awakened, typically by being *notified* or *interrupted*, or until a certain amount of real time has elapsed.
void	wait(long timeout, int nanos)	Causes the current thread to wait until it is awakened, typically by being *notified* or *interrupted*, or until a certain amount of real time has elapsed.