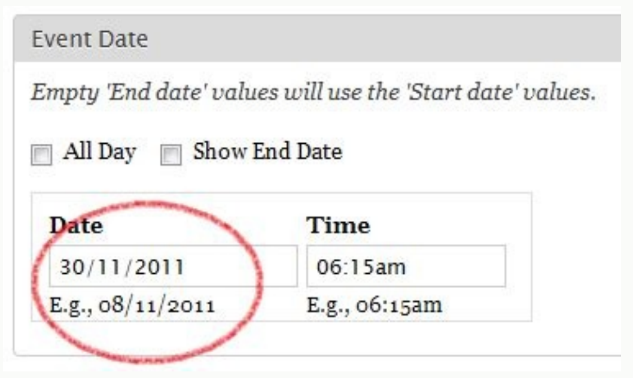
Java calendar time format example

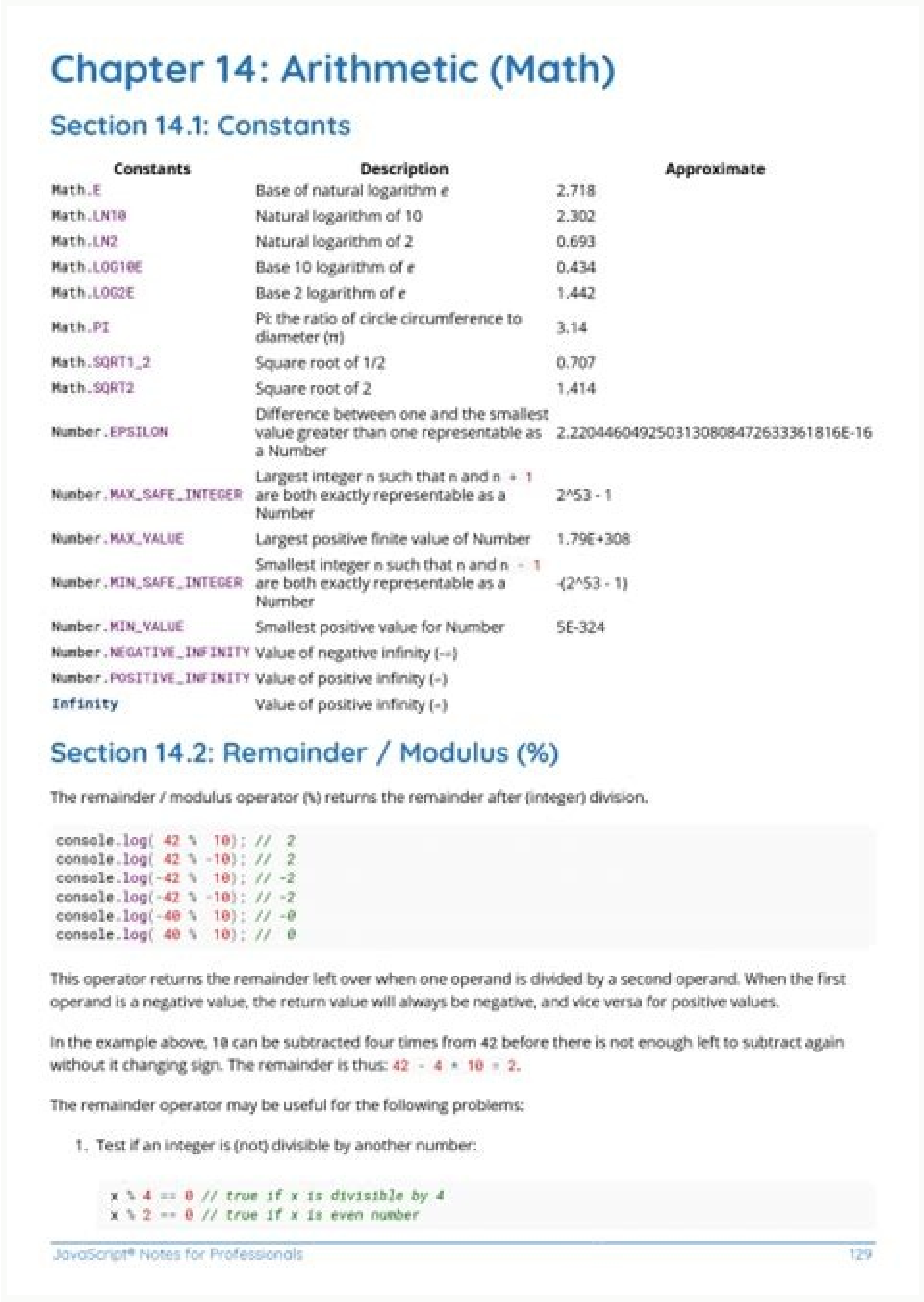


Event Date

Empty 'End date' values will use the 'Start date' values.

☐ All Day ☐ Show End Date

Date	Time
30/11/2011	06:15am
E.g., 08/11/2011	E.g., 06:15am



Chapter 14: Arithmetic (Math)

Section 14.1: Constants

Constants	Description	Approximate
`Math.E`	Base of natural logarithm *e*	2.718
`Math.LN10`	Natural logarithm of 10	2.302
`Math.LN2`	Natural logarithm of 2	0.693
`Math.LOG10E`	Base 10 logarithm of *e*	0.434
`Math.LOG2E`	Base 2 logarithm of *e*	1.442
`Math.PI`	Pi: the ratio of circle circumference to diameter (π)	3.14
`Math.SQRT1_2`	Square root of 1/2	0.707
`Math.SQRT2`	Square root of 2	1.414
`Number.EPSILON`	Difference between one and the smallest value greater than one representable as a Number	2.2204460492503130808472633361816E-16
`Number.MAX_SAFE_INTEGER`	Largest integer n such that n and `n + 1` are both exactly representable as a Number	2^53 - 1
`Number.MAX_VALUE`	Largest positive finite value of Number	1.79E+308
`Number.MIN_SAFE_INTEGER`	Smallest integer n such that n and `n - 1` are both exactly representable as a Number	-(2^53 - 1)
`Number.MIN_VALUE`	Smallest positive value for Number	5E-324
`Number.NEGATIVE_INFINITY`	Value of negative infinity (-∞)	
`Number.POSITIVE_INFINITY`	Value of positive infinity (∞)	
`Infinity`	Value of positive infinity (∞)	

Section 14.2: Remainder / Modulus (%)

The remainder / modulus operator (`%`) returns the remainder after (integer) division.

```
console.log( 42 %  10); //  2
console.log( 42 % -10); //  2
console.log(-42 %  10); // -2
console.log(-42 % -10); // -2
console.log(-40 %  10); // -0
console.log( 40 %  10); //  0
```

This operator returns the remainder left over when one operand is divided by a second operand. When the first operand is a negative value, the return value will always be negative, and vice versa for positive values.

In the example above, `10` can be subtracted four times from `42` before there is not enough left to subtract again without it changing sign. The remainder is thus: `42 - 4 * 10 = 2`.

The remainder operator may be useful for the following problems:

1. Test if an integer is (not) divisible by another number:

```
x % 4 == 0 // true if x is divisible by 4
x % 2 == 0 // true if x is even number
```

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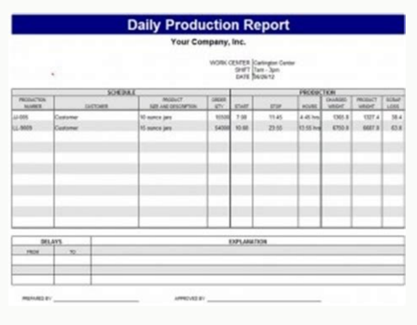

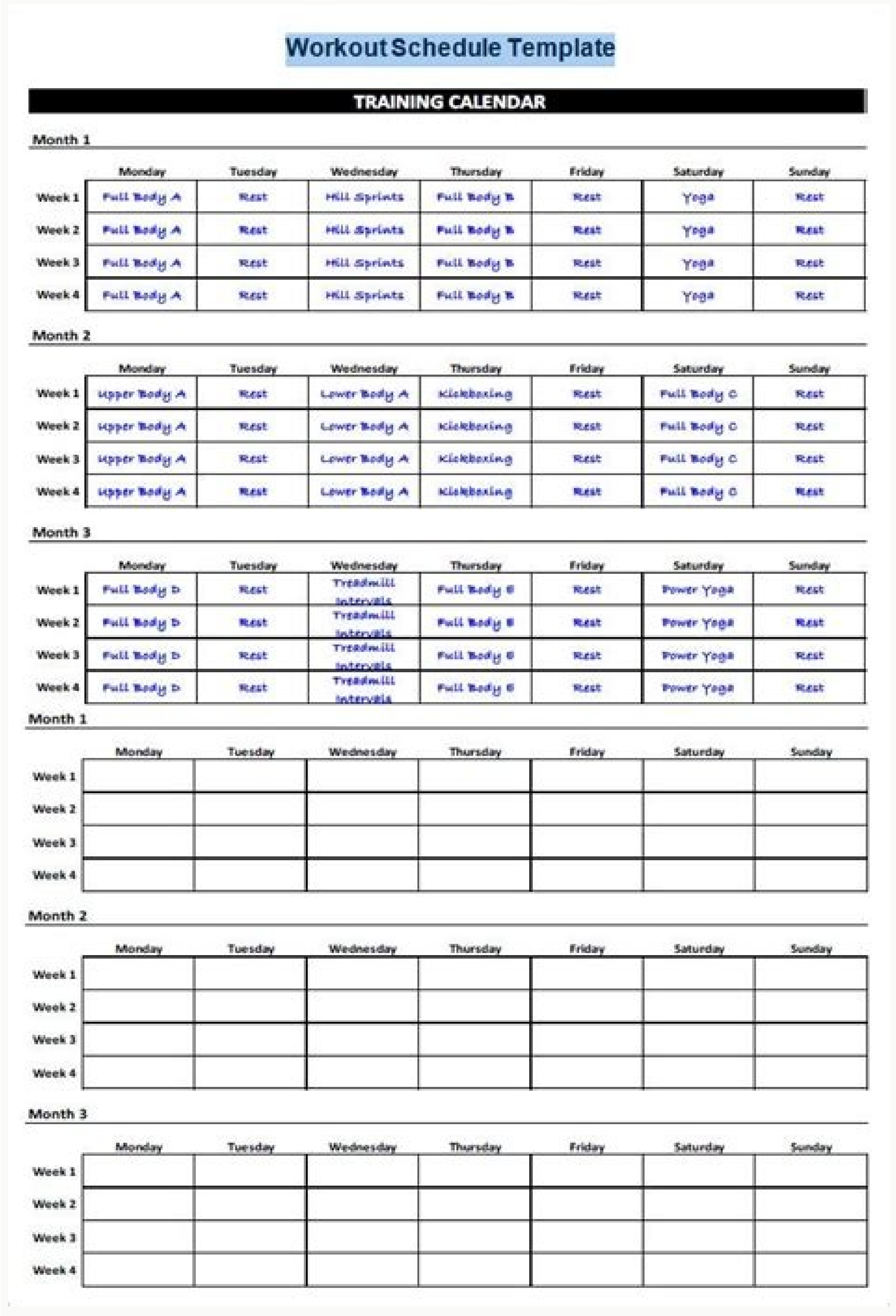

Workout Schedule Template

TRAINING CALENDAR

Month 1

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1	Full Body A	Rest	Hill Sprints	Full Body B	Rest	Yoga	Rest
Week 2	Full Body A	Rest	Hill Sprints	Full Body B	Rest	Yoga	Rest
Week 3	Full Body A	Rest	Hill Sprints	Full Body B	Rest	Yoga	Rest
Week 4	Full Body A	Rest	Hill Sprints	Full Body B	Rest	Yoga	Rest

Month 2

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1	Upper Body A	Rest	Lower Body A	Kickboxing	Rest	Full Body C	Rest
Week 2	Upper Body A	Rest	Lower Body A	Kickboxing	Rest	Full Body C	Rest
Week 3	Upper Body A	Rest	Lower Body A	Kickboxing	Rest	Full Body C	Rest
Week 4	Upper Body A	Rest	Lower Body A	Kickboxing	Rest	Full Body C	Rest

Month 3

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1	Full Body D	Rest	Treadmill Intervals	Full Body E	Rest	Power Yoga	Rest
Week 2	Full Body D	Rest	Treadmill Intervals	Full Body E	Rest	Power Yoga	Rest
Week 3	Full Body D	Rest	Treadmill Intervals	Full Body E	Rest	Power Yoga	Rest
Week 4	Full Body D	Rest	Treadmill Intervals	Full Body E	Rest	Power Yoga	Rest

Month 1

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1							
Week 2							
Week 3							
Week 4							

Month 2

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1							
Week 2							
Week 3							
Week 4							

Month 3

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1							
Week 2							
Week 3							
Week 4							

Java calendar format date time. Java calendar time format. Java calendar date format.

Date Today = calendar.getinstance () .GetTime (); // Using the DateFormat format method we can create a chain // representation of a date with the defined format. Common Forms of Get CalendarPrivate Void Mymethod () {Calendar C =} / ** * Currently the instance configuration is expired 1 day, year one hour more to avoid possible times * Difference * / Private Date GetValidInstanceConfigDate () {Calendar Cal = calendar.getinstance (); Cal.add (calendar.date, -1); Cal.Add (Calendar) .hour, -1); Returns Cal.Gettime (); } Origin: Spring-Projects / Spring-Framework @ Test Public Void TestyCrementDayofmontHbyone () throws out Exception {CRONTRIGER TRIGGER = NEW CRONTRIGER (Â «* * 10 * Â», Timezone); calendar.set (calendar.day_of_month, 9); Date = calendar.gettime (); calendar.add (calendar.day_of_month, 1); calendar.set (calendar.hour_of_day, 0); calendar.set (calendar.minute, 0); calendar.set (calendar.second, 0); Triggercontext context = gettriggercontext (date); assertequals (calendar.gettime (), trigger.nextexexecuttion (context)); } Public Void Write (JSOnSerializer Serializer, Object, BeancoNext context) throws ioexception {serializewriter out = serializer.out; String format = context.getformat (); Calendar calendar = object (calendar); IF (format.equals («uniontime»)) {long seconds = calendar.gettimeinmillis () / 1000L; out.writeint ((int) seconds); Return; } DateFormat DateFormat = New SimpleDateFormat (Format); If (DateFormat == NULL) {DateFormat = New SimpleDateFormat (json.deffault_date_format, serializer.locale); dateformat.settimezone (serializer.timezone); } String TEXT = Dateformat.Format (calendar.gettime ()); OUT.WRITESTRING (TEXT); } Origin: org.testng/testng@over Ride Public Boolean Isskip () {if (null == m_Expiledate) {Returns False; } Try {Calendar Now = calendar.getinstance (); Date NowDate = m_informat.parse (m_informat.format (now.gettime ()); Now.Settime. return !now.after (m_expireDate); } capture (ParseException pex) { release TestNGException("No se pueden comparar fechas."); } origen: spring-projects/spring-frameworkcalendar.setTime(fecha); calendar.set(Calendar.MILLISECOND, 0); long originalTimestamp = calendar.getTimeInMillis(); doNext(calendario, calendario.get(Calendario.AÃO)); calendar.add(Calendar.SECOND, 1); doNext(calendario, calendario.get(Calendario.AÃO)); return calendar.getTime(); origen: spring-projects/spring-frame-private Date getDate(int year, int month, int dayOfMonth, int hour, int minute, int second, int millisecond) { Calendar cal = Calendar.getInstance(Locale.US); cal.setTimeZone(UTC); cal.clear(); cal.set(Calendario.AÃO, aÃ±o); cal.set(Calendar.MONTH, month); cal.set(Calendar.DAY_OF_MONTH, dayOfMonth); cal.set(Calendar.HOUR, hour); cal.set(Calendar.MINUTE, minuto); cal.set(Calendario.SEGUNDO, segundo); cal.set(Calendar.MILLISECOND, milisegundo); return cal.getTime(); } origen: spring-projects/spring-framework@Test public void testIncrementSecondWithPreviousExecutionTooEarly() produce Exception { CronTrigger trigger = new CronTrigger("11 * * * * *", timeZone); calendar.set(Calendar.SECOND, 11); SimpleTriggerContext context = new SimpleTriggerContext(); context.update(calendar.getTime(), new Date(calendar.getTimeInMillis() - 100), new Date(calendar.getTimeInMillis() - 90)); calendar.add(Calendar.MINUTE, 1); assertEquals(calendar.getTime(), trigger.nextExecutionTime(context)); } origen: Activiti/Activitiprotected Date CalculationDueDate(CommandContext commandContext, int waitTimeInSeconds, Date oldDate) { Calendar newDateCal = new GregorianCalendar(); if (oldDate != null) { newDateCal.setTime(oldDate); } else { newDateCal.setTime(commandContext.getProcessEngineConfiguration().getClock().getCurrentTime()); } newDateCal.add(Calendar.SECOND, waitTimeInSeconds); return newDateCal.getTime(); } origen: spring-projects/spring-framework@Test public void testMonthlyTriggerInLongMonth() throws Exception { CronTrigger trigger = CronTrigger("0 0 0 0 * *", zona horaria); calendar.set(Calendar.MONTH, 9); calendar.set(Calendar.DAY_OF_MONTH, 30); Date date = calendar.getTime(); calendar.set(Calendar.DAY_OF_MONTH, 31); calendar.set(Calendar.HOUR_OF_DAY, 0); calendar.set(Calendar.MINUTE, 0); calendar.set(Calendar.SECOND, 0); TriggerContext context = getTriggerContext(date); assertEquals(calendar.getTime(), trigger.nextExecutionTime(context)); } origen: stackoverflow.com // Cree una instancia de SimpleDateFormat utilizada para dar formato // la representaciÃ³n de cadena de fecha (mes/dÃa/aÃ±o) DateFormat df = new SimpleDateFormat("MM/dd/aaaa HH:mm:ss"); // Obtenga la fecha hoy usando el objeto Calendar. String reportDate = df.format(today); // Imprimir que fecha es hoy! System.out.println("Fecha del informe: " + report (Date); origen: spring-projects/spring-framework@Test public void testIncrementDayOfMonthAndRollover() produce una excepciÃ³n { CronTrigger trigger = new CronTrigger("* * * 10 * *", timeZone); calendar.set(Calendar.DAY_OF_MONTH, 11); Date date = calendar.getTime(); calendar.add(Calendar.MONTH, 1); calendar.set(Calendar.DAY_OF_MONTH, 10); calendar.set(Calendar.HOUR_OF_DAY, 0); calendar.set(Calendar.MINUTE, 0); calendar.set(Calendar.SECOND, 0); TriggerContext context = getTriggerContext(date); assertEquals(calendar.getTime(), trigger.nextExecutionTime(context)); } origen: spring-projects/spring-framework@Test public void testMonthlyTriggerInShortMonth() lanza Exception { CronTrigger trigger = new CronTrigger("0 0 1 * *", timeZone); calendar.set(Calendar.MONTH, 9); calendar.set(Calendar.DAY_OF_MONTH, 30); Date date = calendar.getTime(); calendar.set(Calendar.MONTH, 10); calendar.set(Calendar.DAY_OF_MONTH, 1); calendar.set(Calendar.HOUR_OF_DAY, 0); calendar.set(Calendar.MINUTE, 0); calendar.set(Calendar.SECOND, 0); TriggerContext context = getTriggerContext(date); assertEquals(calendar.getTime(), trigger.nextExecutionTime(context)); }

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