**Date – Time – Time Difference**

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**import** java.util.Date;

**import** java.text.DateFormat;

**import** java.text.SimpleDateFormat;

**import** java.util.\*;

**import** java.lang.System;

**import** java.time.Duration;

**import** java.time.Instant;

**public** **class** DateTime {

 **static** Date *d1*, *d2*;

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

 Scanner in = **new** Scanner(System.***in***);

 System.***out***.println("Enter 1 to Book a bicycle or 2 to Return a bicycle or 3 Exit");

 **int** userChoice = in.nextInt();

 **while** (userChoice != 3){

 **switch** (userChoice) {

 **case** 1: *bookBicycle*();

 **break**;

 **case** 2: *returnBicycle*();

 **break**;

 }

 System.***out***.println("Enter 1 to Book a bicycle or 2 to Return a bicycle or 3 Exit");

 userChoice = in.nextInt();

 }

 in.close();

}

 **static** **void** bookBicycle(){

 *d1* = **new** Date();

 }

 **static** **void** returnBicycle(){

 *d2* = **new** Date();

 System.***out***.println(*d2*.getTime()-*d1*.getTime()); //difference in milliseconds.

 System.***out***.println((*d2*.getTime()-*d1*.getTime())/1000);

 }

}