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//TASK 1: Create a Hello World anonymous block.

//TODO: Write a single line to output the text "Hello World!" to the results window

System.debug('Hello World!');

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//TASK 2: Create a map of integers and check if the map contains a specific key.

//TODO: Instantiate a map called “numbers” that has an integer as keys and a string as values.

Map<Integer, String> numbers = new Map<Integer, String>();

//TODO: Create a FOR loop that loops 100 times and adds the values 0 thru 99 as the key and the string value of the number as the value of the map.

for (Integer i=0; i<100; i++){

 numbers.put(i, String.valueof(i));

}

//TODO: Create an IF statement that verifies that the map contains the value 35 and display the value using a System.debug statement.

if (numbers.containskey(35)){

  System.debug('The answer is: ' + numbers.get(35));

}

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//TASK 3: Create a list of new accounts with unique names.

//TODO: Instantiate a list of Account data types

List<Account> accts = new List<Account>();

//TODO: Create a loop to add 20 new accounts to the list with a unique name for each account.

for (Integer i=0; i<20; i++){

 Account a = new Account(name='Account Name' + i);

 accts.add(a);

}

//TODO: Create a FOR loop to display the name of each account in your list using System.Debug.

for(Account acct:accts){

  system.debug('The account name is: ' + acct.name);

}

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//TASK 4: Create a set of date data check to see if it contains a specific day.

//TODO: Instantiate a Set of Date data types called myDates.

Set<Date> myDates = new Set<Date>();

//TODO: Create a FOR loop that adds the next 100 days to the Set starting with Today’s date.

for(integer i = 0; i < 100; i++){

 myDates.add(Date.today().addDays(i));

}

//TODO: Create a date variable called Birthday that contains the date of your next birthday.

Date birthday = Date.parse('12/31/2010');

//TODO: Write an IF statement that tests to see if myDates contains the value of birthday.

if (myDates.contains(birthday)){

 System.debug('yes');

} else {

 System.debug('no');

}

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