List<string> myColors = new List<string>();

myColors.add('blue');

myColors.add('red');

System.debug(myColors);

for (string s: myColors){

system.debug(s.toUpperCase());

}

Set <Integer> List1 = new Set <Integer> {3, 5, 7, 9};

Set <Integer> List2 = new Set<Integer>();

for (Integer iteration:List1){

List2.add(iteration+1);

}

System.debug(List2);

List<string> myColors = new List<string>();  
myColors.add('blue');  
myColors.add('red');  
System.debug(myColors);  
 List<string> capitalisedList = new List<string>();for (string s: myColors){  
   capitalisedList.add(s.Capitalize());}system.debug( capitalisedList);

Date currentDate = Date.today();

Date futureDate = Date.newInstance(2023, 03, 26);

System.debug(currentDate.DaysBetween(futureDate));

Date currentDate = Date.today();

Date futureDate = Date.newInstance(2023, 03, 26);

//System.debug(currentDate.DaysBetween(futureDate));

Integer d = currentDate.DaysBetween(futureDate);

System.debug(d);

// 5. Write a function that takes current date time and returns current day of the week like Monday, Tuesday etc.

String st = Datetime.now().format('EEEE');

System.debug(st);

// 6. Create a program that checks an input word and determines if it is a palindrome (a word, phrase, or sequence that reads the same backward as forward). Write check result to debug logs.

String st = 'Madam';

String reversedst= st.reverse();

if (st == reversedst){

System.debug(st + ' is palindrome ');

}else{

System.debug(st + ' is not palindrome');

}

// 7. Write a code to check a list of numbers from 1 to 10 and print out only even numbers to debug console as a list programmatically.

List <Integer> numbers = new List<Integer> {1,2,3,4,5,6,7,8,9,10};

List<Integer> evenNumbers = new List <Integer> ();

for (Integer i: numbers){

if(math.mod(i, 2)==0){

evenNumbers.add(i);

}

}

System.debug(evenNumbers);

List <Integer> numbers = new List<Integer> {1,2,3,4,5,6,7,8,9,10};

List<Integer> evenNumbers = new List <Integer> ();

List<Integer> oddNumbers = new List <Integer> ();

for (Integer i: numbers){

if(math.mod(i, 2)==0){

evenNumbers.add(i);

}

else if(math.mod(i, 2)==1){

oddNumbers.add(i);

}

}

System.debug(oddNumbers);

System.debug(evenNumbers);