Challenge Problems:

1.  
  
  
  
2.  
  
/\*Find largest palindrome from product of two 3-digit numbers\*/

//find highest num

var highestNum=0;

//for loop for first number

for(var num1= 100; num1<=999;num1++){

//for loop for second number

for(var num2=100;num2<=999;num2++){

//find the product of the numbers

var prod = num1\*num2;

//check if it is a plaindrome

//-convert the product ot a string

prod = prod.toString();

//-use charAt to cehck the digits (outside in)

//-compare the first and last digits, then second and second to last, two inside nums

if(prod.charAt(0) == prod.charAt(5) && prod.charAt(1) == prod.charAt(4) && prod.charAt(2) == prod.charAt(3)){

//if palindrome console.log that num

if(prod > highestNum){

highestNum=prod;

}

}

}

}

console.log(highestNum)