Scala Tutorial 3

1. Write a function in Scala that takes a string as input and returns the reverse of the string using a recursive approach.

```
def reverse(word:String):String=if((word.length)>1
{""+word.charAt(word.length-1)+reverse(word.substring(0,word.len
gth-1))}else{return word}
```

2. Write a function in Scala that takes a list of strings as input and returns a new list containing only the strings that have a length greater than 5.

```
def isLonger5(str: String*)={str.foreach(str => if(str.length>5)
{println(str)})}
```

3. You are given two integers, num1 and num2. Write a function in Scala to determine the arithmetic mean (average) of the two numbers, rounded to two decimal places. Return the result as a floating-point number.

```
def findMean(num1:Int,num2:Int)=("%.2f"format(num1+num2+0.0)/
2).toDouble
```