


**LABORATORY 01****NAME: HARSH PARMAR****YORK STD. ID.: 218220038****PROBLEM 1**

Pre: Enter a String.

Post: The Reverse of the string has been outputted using recursion.

Call #	s	s[0]	Returned value
1	CSisFUN	C	NUFsiSC
2	SisFUN	S	NUFsiS
3	isFUN	i	NUFsi
4	sFUN	s	NUFs
5	FUN	F	NUF
6	UN	U	NU
7	N		N




**Time**

**PROBLEM 2**

Pre: Enter a Number that represents natural numbers.

Post: Number of 7's in the number is outputted using recursion.

Call #	n	Isd	Returned value
1	237577	7	3
2	23757	7	2
3	2375	5	1
4	237	7	1
5	23	3	0
6	2	2	0

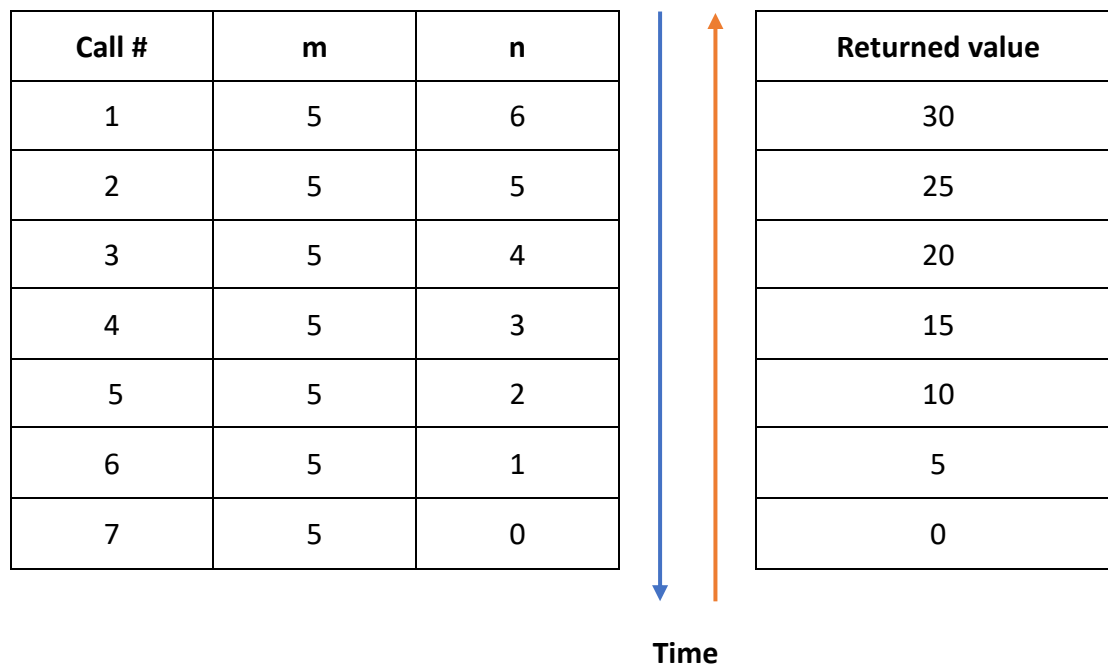


**Time**

### **PROBLEM 3**

Pre: Enter 2 Numbers that represents whole numbers.

Post: Multiplication of both numbers is outputted using recursion and without using \* operation.



### **PROBLEM 4**

Pre: Enter a number to find in Array.

Post: Whether the number input is present in the array or not is outputted as "Yes" or "No" respectively.

