

TEST PLAN

ID	DESCRIPTION	PRE-CONDITION	EXPECTED INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT
01_TP_01	Testing with a prime number	The number must be positive	1	The number is prime	
01_TP_02	Testing with a non- prime number	The number must be positive	48	The number is not prime	
02_TP_01	Testing with an Armstrong number	The number must be positive	153	The number is Armstrong	
02_TP_02	Testing with non- Armstrong number	The number must be positive	15	The number is not Armstrong	
03_TP_01	Testing with an even number	The number must be positive	2	The number is Even	
03_TP_02	Testing with an odd number	The number must be positive	5	The number is Odd	
04_TP_01	Testing with a palindrome number	The number must be positive	1551	The number is Palindrome	
04_TP_02	Testing with a number which is not a palindrome	The number must be positive	15	The number is not Palindrome	
05_TP_01	Testing with a number which is a power of 2	The number must be positive	4	The number is a power of 2	
05_TP_02	Testing with a number which is not a power of 2	The number must be positive	5	The number is not a power of 2	
06_TP_01	Testing with a Harshad number	The number must be positive	156	The number is Harshad	

06_TP_02	Testing with a non- Harshad number	The number must be positive	15	The number is not harshad	
07_TP_01	Testing with a perfect square	The number must be positive	25	The number is a perfect square	
07_TP_02	Testing with a number which is not a perfect square	The number must be positive	8	The number is not a perfect square	
08_TP_01	Testing with a perfect cube	The number must be positive	8	The number is a perfect cube	
08_TP_02	Testing with a number which is not a perfect cube	The number must be positive	5	The number is not a perfect cube	
09_TP_01	Testing with an automorphic number	The number must be positive	5	The number is automorphic	
09_TP_02	Testing with a non- automorphic number	The number must be positive	78	The number is not automorphic	
10_TP_01	Testing with a number divisible by 3	The number must be positive	6	The number is divisible by 3	
10_TP_02	Testing with a number not divisible by 3	The number must be positive	7	The number is not divisible by 3	
11_TP_01	Testing with a number divisible by 5	The number must be positive	25	The number is divisible by 5	
11_TP_02	Testing with a number not divisible by 5	The number must be positive	8	The number is not divisible by 5	
12_TP_01	Testing with a number divisible by 7	The number must be positive	49	The number is divisible by 7	
12_TP_02	Testing with a number not divisible by 7	The number must be positive	8	The number is not divisible by 7	