Test Plan

High Level Test Plan

ID	Description	Pre-Condition	Expected input	Expected Output	Actual output
H01_T01	To test properties of numbers	Input number must be positive	Some real number	True or False	
H02_T02	To do various operations with numbers	Input numbers must be positive	Some real number	Result of expression	

Low Level Test Plan

ID	Description	Pre-Condition	Expected input	Expected Output	Actual output
H01_L01_T01	To check whether a number is positive	A number is taken as input	Some real number	True or False	
H01_L01_T02	To check whether a number is negative	A number is taken as input	Some real number	True or False	
H01_L02_T03	To check whether a number is prime	Input number must be positive	Some number	True or False	
H01_L02_T04	To check whether a number is Armstrong	Input number must be positive	Some number	True or False	
H01_L02_T05	To check whether a number is palindrome	Input number must be positive	Some number	True or False	
H01_L02_T06	To check whether a number is Perfect square	Input number must be positive	Some number	True or False	
H01_L03_T07	To check whether given number is power of two	Input number must be positive	Some number	True or False	
H01_L04_T08	To check whether given number is even	Input number must be positive	Some number	True or False	
H01_L04_T09	To check whether given number is odd	Input number must be positive	Some number	True or False	
H01_L05_T09	To check whether a given number is divisible by another number	Input number must be positive	Some number	True or False	
H01_L06_T10	To calculate sum of digits of a number	Input number must be positive	Some number	Sum of digits	
H01_L07_T11	To find LCM of two numbers	Input numbers must be positive	Some number	LCM	
H01_L07_T12	To find HCF of two numbers	Input numbers must be positive	Some number	HCF	
H01_L08_T13	To find remainder when one number is divided by another	Input numbers must be positive	Some number	Remainder	
H01_L09_T14	To find sum of n natural numbers	Input number must be positive	Some number	Sum of n numbers	