

Test Specification for q1(a)

Unit Name	Range Check	
Summary (e.g. Interface spec)	Returns true iff the input integer lies between -10 and 10, both inclusive	
Input Type(s)	Input Value(s)	Expected Result
int	-11	false
int	-10	true
int	-9	true
int	0	true
int	9	true
int	10	true
int	11	false
int	MAX_INT	false
int	MIN_INT	false

Test Specification for q1(b)

Unit Name	Range Check	
Summary (e.g. Interface spec)	Returns true if the input float lies between -10 and 10, both exclusive	
Input Type(s)	Input Value(s)	Expected Result
float	-11.0	false
float	-10.01	false
float	-10.0	false
float	-9.99	true
float	0.0	true
float	9.99	true
float	10	false
float	10.01	false
float	11.0	false
float	MAX_INT	false
float	MIN_INT	false

Test Specification for q1(c)

Unit Name	Valid Telephone Number	
Summary (e.g. Interface spec)	Returns true iff the input string is <ul style="list-style-type: none"> 10-digit number does not begin with 0 or 1 the first three digits cannot be 555 	
Input Type(s)	Input Value(s)	Expected Result
string	7392hsh928	false
string	Empty string	false
string	null	false
string	894829838 (9-digits)	false
string	21241249522 (11 digits)	false
string	1042085285 (starts with 1)	false
string	0214824972 (starts with 0)	false
string	5559208428 (starts with 555)	false
string	8421*%#804 (special characters)	false
string	9284914262	true
string	5592084207 (first 2 only starts with 5)	true
string	5555087147 (first 4, hence 3 starts with 5)	false
string	5804370416	true
string	9999999999	true
string	-2974294724	false
string	-680427427	false