**TEST CASES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***ID*** | ***Description*** | ***Precondition*** | ***Expected I/P*** | ***Expected O/P*** | ***Actual O/P*** |
| H\_02\_L\_02\_T\_01 | The file should build on the server. | Code has no syntax errors, all files are linked | make | Compiled | Compiled |
| H\_01\_L\_01\_T\_02 | Array sum test, add numbers in 3 element array with positive nos. | Code compiles successfully | [1,2,3], 3 | 6 | 6 |
| H\_01\_L\_01\_T\_03 | Array sum test, add both positive and negative numbers in array | Code compiles successfully | [2,3,6,-10], 4 | 1 | 1 |
| H\_01\_L\_01\_T\_04 | Binary to decimal test, test any number staring with 1 | Code compiles successfully | 110110111 | 439 | 439 |
| H\_01\_L\_01\_T\_05 | Binary to decimal test, test any number starting with 0 | Code compiles successfully | 00000110 | 134 | 16  FAIL |
| H\_01\_L\_01\_T\_06 | Armstrong number, check for true and positive | Code compiles successfully | 153 | 1 | 1 |
| H\_01\_L\_01\_T\_07 | Armstrong number, check for false and positive | Code compiles successfully | 200 | 0 | 0 |
| H\_01\_L\_01\_T\_08 | Armstrong number, check for 0 | Code compiles successfully | 0 | 1 | 1 |
| H\_01\_L\_01\_T\_09 | Armstrong number, check for negative number | Code compiles successfully | -21 | -1 | -1 |
| H\_01\_L\_01\_T\_10 | Check for magic number, check for true | Code compiles successfully | 52 | 1 | 0  FAIL |
| H\_01\_L\_01\_T\_11 | Check for magic number, check for false | Code compiles successfully | 12345 | 0 | 0 |
| H\_01\_L\_01\_T\_12 | Check for neon number, check for true | Code compiles successfully | 111 | 0 | 0 |
| H\_01\_L\_01\_T\_13 | Check for neon number, check for false | Code compiles successfully | 9 | 1 | 1 |
| H\_01\_L\_01\_T\_14 | Check for neon number, check for 0 | Code compiles successfully | 0 | 1 | 1 |
| H\_01\_L\_01\_T\_15 | Check for neon number, check for negative no. | Code compiles successfully | -9 | -1 | -1 |
| H\_01\_L\_01\_T\_16 | Check for perfect number, check for true. | Code compiles successfully | 496 | 1 | 1 |
| H\_01\_L\_01\_T\_17 | Check for perfect number, check for false | Code compiles successfully | 400 | 0 | 0 |
| H\_01\_L\_01\_T\_18 | Check for prime no., check for true | Code compiles successfully | 23 | 1 | 1 |
| H\_01\_L\_01\_T\_19 | Check for prime no., check for false | Code compiles successfully | 400 | 0 | 0 |
| H\_01\_L\_01\_T\_20 | Check for prime no., check for negative | Code compiles successfully | -1 | -1 | -1 |
| H\_01\_L\_01\_T\_21 | Check for prime no., check for 0 | Code compiles successfully | 0 | -1 | -1 |
| H\_01\_L\_01\_T\_22 | Check for prime no., check for 1 | Code compiles successfully | 1 | 3 | 3 |
| H\_01\_L\_01\_T\_23 | Check for decimal to binary, check for positive number | Code compiles successfully | 17 | 10001 |  |
| H\_01\_L\_01\_T\_24 | Check for decimal to binary, check for 0 | Code compiles successfully | 0 | 0 | 0 |
| H\_01\_L\_01\_T\_25 | Check for decimal to binary, check for negative | Code compiles successfully | -156 | -10101 | -10101 |
| H\_01\_L\_01\_T\_26 | Check for largest in array, check in array with all positive nos. | Code compiles successfully | [1,2,3], 3 | 3 | 3 |
| H\_01\_L\_01\_T\_27 | Check for largest in array, check in array with positive and negative nos. | Code compiles successfully | [2,3,5,-10], 4 | 6 | 6 |
| H\_01\_L\_01\_T\_28 | Check for smallest in array, check in array with positive and negative nos. | Code compiles successfully | [1,2,3], 3 | 1 | 1 |
| H\_01\_L\_01\_T\_29 | Check for smallest in array, check in array with positive and negative nos. | Code compiles successfully | [2,3,6,-10], 4 | -10 | -10 |
| H\_01\_L\_01\_T\_30 | Check for smallest in array, check in array with all negative nos. | Code compiles successfully | [-1,-3,-19,-81], 4 | -81 | -81 |