task 1

pre s string !=0

post result = s in reverse

|  |  |  |
| --- | --- | --- |
| Call # | s | s0 |
| 1 | csisfun | c |
| 2 | sisfun | s |
| 3 | isfun | i |
| 4 | sfun | s |
| 5 | fun | f |
| 6 | un | u |
|  |  |  |
|  |  |  |

|  |
| --- |
| Returned value |
| sisfunc |
| isfuns |
| sfuni |
| funs |
| unf |
|  |
|  |

task 2

pre

n = positive integer > 0

post result integer 0 or greater

|  |  |  |
| --- | --- | --- |
| Call# | n | lsd |
| 1 | 2371577 | 7 |
| 2 | 237157 | 7 |
| 3 | 23715 | 5 |
| 4 | 2371 | 1 |
| 5 | 237 | 7 |
| 6 | 23 | 3 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

|  |
| --- |
| Returned value |
| 1 |
| 2 |
| 2 |
| 2 |
| 3 |
| 3 |
|  |
|  |

task 3

pre enters two real numbers

post result = real number

|  |  |  |
| --- | --- | --- |
| call# | m | n |
| 1 | 5 | 6 |
| 2 | 5 | 5 |
| 3 | 5 | 4 |
| 4 | 5 | 3 |
| 5 | 5 | 2 |
| 6 | 5 | 1 |
|  |  |  |
|  |  |  |

|  |
| --- |
| Returned value |
| 30 |
| 25 |
| 20 |
| 15 |
| 10 |
| 5 |

task 4

pre array is created with real numbers

enter a number any real number

post result will be true or false if it matches number in array

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| call# | x | i | j | mid |
| 1 | 123 | 0 | 19 | 10 |
| 2 | 123 | 10 | 19 | 14 |
| 3 | 123 | 11 | 19 | 12 |
|  |  |  |  |  |
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|  |
| --- |
| result |
| Undefined  undefined  true |
|  |
|  |