**Raw Results**

green: correct orange: wrong red: error reading audio

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Words | Reader | Google | Google Cloud Results | Microsoft Bing Results |
| Equal | Bernard | eco | equal | Equal. |
| Dad | equal | equal | Equal. |
| Guo Qiang | equal | equal | Call. |
| Jun Wei | Error: could not understand audio | equal | Cool. |
| Nicholas | equal | equal | Equal. |
| Qi Xuan | equal | equal | Equal. |
| Teck Siong | staple | staple | Equal. |
| Vanessa | equal | equal | Equal. |
| Vanessa2 | equal | equal | Call. |
| Vanessa3 | equal | equal | Call. |
|  |  |  |  |  |
| If then else | Bernard | if then else | if then else | Easter nails. |
| Dad | Stenhouse | then else | Anything else. |
| Guo Qiang | then else | then else | If then else? |
| Jun Wei | Easton else | else | Dentelles. |
| Nicholas | if then else | if then else | If then else? |
| Qi Xuan | if then else | if then else | If then else? |
| Teck Siong | if then else | if then else | If then else? |
| Vanessa | if then else | if then else | If then else? |
| Vanessa2 | Just Dance Now | else | If they ask? |
| Vanessa3 | is done else | is done else | Is the ALS? |
|  |  |  |  |  |
| End if | Bernard | Andy’s | Andy’s | In East. |
| Dad | May 8th | May 8th | It is. |
| Guo Qiang | and | end | And Eve. |
| Jun Wei | and if | end if | 10 ish. |
| Nicholas | NS | end if | N is. |
| Qi Xuan | and if | end if | Send it. |
| Teck Siong | and if | end if | Add this. |
| Vanessa | NS | NS | FF. |
| Vanessa2 | it is | it is | It is. |
| Vanessa3 | and if | end if | It is. |
|  |  |  |  |  |
| Declare integer | Bernard | Ninja | declare | Decongel. |
| Dad | declare integer | declare integer | DK India. |
| Guo Qiang | declare integer | declare integer | Deconet integer. |
| Jun Wei | declare integer | declare integer | Error: could not understand audio |
| Nicholas | declare integer | declare integer | Play in teacher. |
| Qi Xuan | McLaren teacher | declare integer | Big Latin teacher. |
| Teck Siong | Sinclair into jar | Sinclair into jar | Class Dojo. |
| Vanessa | the cat interior | declare integer | The cat in the yard. |
| Vanessa2 | the cat interior | integer | Error: could not understand audio |
| Vanessa3 | declare integer | declare integer | Dictating to draw. |
|  |  |  |  |  |
| Size | Bernard | size | size | Size. |
| Dad | Error: Could not understand audio | size | Size. |
| Guo Qiang | Chase | size | Size. |
| Jun Wei | sites | size | Thanks. |
| Nicholas | size | size | Size. |
| Qi Xuan | Error: Could not understand audio | sorry | Size. |
| Teck Siong | size | size | Size. |
| Vanessa | size | size | Size. |
| Vanessa2 | size | size | Spice. |
| Vanessa3 | size | size | Size. |
|  |  |  |  |  |
| Index | Bernard | index | index | Index. |
| Dad | index | index | Index. |
| Guo Qiang | Error: Could not understand audio | index | Index. |
| Jun Wei | index | index | Index. |
| Nicholas | index | index | Index. |
| Qi Xuan | index | index | Index. |
| Teck Siong | index | index | Index. |
| Vanessa | index | index | Index. |
| Vanessa2 | index | index | Index. |
| Vanessa3 | index | index | Index. |
|  |  |  |  |  |
| Create function | Bernard | create function | create function | Which function? |
| Dad | today function | function | They function. |
| Guo Qiang | current function | create function | Create function. |
| Jun Wei | function | create function | Create function. |
| Nicholas | current function | create function | Create function. |
| Qi Xuan | create function | create function | Create function. |
| Teck Siong | create function | create function | Yeah I’m sad. |
| Vanessa | quit function | create function | Create function. |
| Vanessa2 | print function | create function | Create function. |
| Vanessa3 | create function | create function | Quit function. |
|  |  |  |  |  |
| Return type | Bernard | return type | return type | Error: Could not understand audio |
| Dad | written | written | Error: Could not understand audio |
| Guo Qiang | 10 time | return type | Type. |
| Jun Wei | resent | return type | Error: Could not understand audio |
| Nicholas | return tie | return type | Return type. |
| Qi Xuan | return pipe | return type | Return type. |
| Teck Siong | content type | return type | Its own type. |
| Vanessa | return tie | return tie | Error: Could not understand audio |
| Vanessa2 | return | return type | Error: Could not understand audio |
| Vanessa3 | tongue tied | return type | Error: Could not understand audio |
|  |  |  |  |  |
| Parameter | Bernard | parameter | parameter | Tell me the. |
| Dad | Lomita | Lomita | Error: Could not understand audio |
| Guo Qiang | Bonita | parameter | Error: Could not understand audio |
| Jun Wei | Kermit | parameter | Pramita. |
| Nicholas | parameter | parameter | Para meter. |
| Qi Xuan | barometer | parameter | Perimeter. |
| Teck Siong | barometer | parameter | Verizon cell. |
| Vanessa | scarab beetle | parameter | Paramita. |
| Vanessa2 | parameter | parameter | Paramita. |
| Vanessa3 | call Vito | parameter | Ponyta. |
|  |  |  |  |  |
| Call | Bernard | call | call | Call. |
| Dad | call | call | Call. |
| Guo Qiang | call | call | Call. |
| Jun Wei | Error: Could not understand audio | Error: Could not understand audio | Call. |
| Nicholas | Paul | Paul | Call. |
| Qi Xuan | call | call | Call. |
| Teck Siong | call | call | Call. |
| Vanessa | Error: Could not understand audio | Error: Could not understand audio | Call. |
| Vanessa2 | Error: Could not understand audio | Error: Could not understand audio | Call. |
| Vanessa3 | Error: Could not understand audio | Error: Could not understand audio | Call. |
|  |  |  |  |  |
| For | Bernard | fall | fall | Fall. |
| Dad | Error: Could not understand audio | Error: Could not understand audio | Error: Could not understand audio |
| Guo Qiang | doll | call | Fall. |
| Jun Wei | Error: Could not understand audio | Error: Could not understand audio | Error: Could not understand audio |
| Nicholas | Error: Could not understand audio | Error: Could not understand audio | Sorry. |
| Qi Xuan | Error: Could not understand audio | Error: Could not understand audio | 4. |
| Teck Siong | fall | fall | Paul. |
| Vanessa | Error: Could not understand audio | Error: Could not understand audio | Fall. |
| Vanessa2 | Error: Could not understand audio | Error: Could not understand audio | Stop. |
| Vanessa3 | Error: Could not understand audio | Error: Could not understand audio | Fall. |
|  |  |  |  |  |
| Plus plus | Bernard | plus plus | plus plus | Plus plus. |
| Dad | Error: Could not understand audio | Error: Could not understand audio | Error: Could not understand audio |
| Guo Qiang | gas plus | gas plus | Plus plus. |
| Jun Wei | sauce toss | classpass | Cost plus. |
| Nicholas | plus plus | plus plus | Plus plus. |
| Qi Xuan | Cost plus | plus plus | Plus plus. |
| Teck Siong | plus plus | plus plus | Plus plus. |
| Vanessa | plus plus | plus plus | Plus plus. |
| Vanessa2 | best bus | best bus | Best flash. |
| Vanessa3 | plus plus | plus plus | Plus plus. |
|  |  |  |  |  |
| While | Bernard | wow | wow | Wow. |
| Dad | Error: Could not understand audio | Error: Could not understand audio | Wow. |
| Guo Qiang | play | play | Why? |
| Jun Wei | wow | while | 1. |
| Nicholas | wow | while | Wow. |
| Qi Xuan | Error: Could not understand audio | Error: Could not understand audio | Wow. |
| Teck Siong | wow | while | Wow. |
| Vanessa | wow | while | Wow. |
| Vanessa2 | small | small | Wow. |
| Vanessa3 | Error: Could not understand audio | Error: Could not understand audio | Wow. |
|  |  |  |  |  |
| Switch case end switch | Bernard | switch case NC | switch case NC | 60s in C. |
| Dad | suitcase nz | suitcase end switch | N street. |
| Guo Qiang | switch case and switch | switch case and switch | Switch case and switch. |
| Jun Wei | case and switch | switch case and switch | Case and 6. |
| Nicholas | switch case and switch | switch case and switch | Switch case and switch. |
| Qi Xuan | switch case and switch | switch case and switch | Search case and switch. |
| Teck Siong | search case and switch | switch case and switch | Switch case N switch. |
| Vanessa | switch case and switch | switch case and switch | 6 case and switch. |
| Vanessa2 | fish cake and fish | fish cake and fish | Chase chase SC. |
| Vanessa3 | switch case | switch case | Case SC. |
|  |  |  |  |  |
| Dot | Bernard | Error: Could not understand audio | Error: Could not understand audio | The. |
| Dad | Error: Could not understand audio | Error: Could not understand audio | Error: Could not understand audio |
| Guo Qiang | Error: Could not understand audio | Error: Could not understand audio | Duck. |
| Jun Wei | . | Dot | Error: Could not understand audio |
| Nicholas | Error: Could not understand audio | Error: Could not understand audio | Thought. |
| Qi Xuan | . | Dot | Doc. |
| Teck Siong | Error: Could not understand audio | Dot | Thought. |
| Vanessa | Error: Could not understand audio | Dot | Not. |
| Vanessa2 | Error: Could not understand audio | Error: Could not understand audio | Error: Could not understand audio |
| Vanessa3 | Error: Could not understand audio | Error: Could not understand audio | Don’t. |

**Summarized Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Words | Google | Google Cloud | Microsoft Bing | Total |
| Equal | 7 / 10 | 9 / 10 | 6 / 10 | 22 / 30 |
| If Then Else | 5 / 10 | 5 / 10 | 5 / 10 | 15 / 30 |
| End If | 0 / 10 | 5 / 10 | 0 / 10 | 5 / 30 |
| Declare integer | 5 / 10 | 7 / 10 | 0 / 10 | 12 / 30 |
| Size | 6 / 10 | 9 / 10 | 8 / 10 | 23 / 30 |
| Index | 9 / 10 | 10 / 10 | 10 / 10 | 29 / 30 |
| Create Function | 4 / 10 | 9 / 10 | 6 / 10 | 19 / 30 |
| Return Type | 1 / 10 | 8 / 10 | 2 / 10 | 11 / 30 |
| Parameter | 3 / 10 | 9 / 10 | 1 / 10 | 13 / 30 |
| Call | 5 / 10 | 5 / 10 | 10 / 10 | 20 / 30 |
| For | 0 / 10 | 0 / 10 | 0 / 10 | 0 / 30 |
| Plus plus | 5 / 10 | 6 / 10 | 7 / 10 | 18 / 30 |
| While | 0 / 10 | 4 / 10 | 0 / 10 | 4 / 30 |
| Switch case end switch | 0 / 10 | 0 / 10 | 0 / 10 | 0 / 30 |
| Dot | 2 / 10 | 4 / 10 | 0 / 10 | 6 / 30 |

**Raw Results**

|  |  |  |  |
| --- | --- | --- | --- |
| Part 1 | | | |
| Required: | | create function find maximum with return type integer with parameter integer array numbers with parameter integer length begin | Results |
| Bernard | Google | create function find maximum with Peter and type in the jar with parameter in the rain number we fare meter in the jail and begin | 9 / 18 |
| Google Cloud | create function find maximum with Peter an integer with parameter in your real number with permitting the jail and begin | 11 / 18 |
| Microsoft Bing | Create functions find maximum with Peter and type in the jervey ferrater injury number with. | 8 / 18 |
|  |  |  |  |
| Dad | Google | they function find maximum with written in detail with parameter integer array numbers with parameter in digiland begin | 12 / 18 |
| Google Cloud | 3 function find maximum with return type in detail with parameter integer array numbers with parameter in the jail and begin | 14 / 18 |
| Microsoft Bing | Please function find maximum weekend in TJ leaf parmiter images of numbers with the Indian language in. | 5 / 18 |
|  |  |  |  |
| Guo Qiang | Google | print function find maximum return type integer parameter integer array numbers with parameter integer language | 13 / 18 |
| Google Cloud | create function find maximum return type integer parameter integer array numbers with parameter integer language | 14 / 18 |
| Microsoft Bing | Create function find maximum risk return type injury perimetre India arrange numbers with para meter in teacher language in. | 9 / 18 |
|  |  |  |  |
| Jun Wei | Google | create function find maximum with return type integer with Kermit the integer array numbers with perimeter integer length begin | 16 / 18 |
| Google Cloud | create function find maximum with return type in to jail with Terminator integer array numbers with Terminator integer length begin | 15 / 18 |
| Microsoft Bing | Create function find maximum with it and type in to go with permitir integer a number swift permitir integer lent begin. | 11 / 18 |
|  |  |  |  |
| Nicholas | Google | create function find maximum with return type integer with parameter integer array numbers with parameter integer length begin | 18 / 18 |
| Google Cloud | create function find maximum with return type integer with parameter integer array numbers with parameter integer length banking | 17 / 18 |
| Microsoft Bing | Create functions find maksymum with street and type in danger with para meter in teduray numbers with perimetre intag erlang begin. | 10 / 18 |
|  |  |  |  |
| Qi Xuan | Google | function maximum return parameter in each array number in length | 7 / 18 |
| Google Cloud | create function find maximum with return type in each other with perimeter in each other a number spirometer integer length again | 11 / 18 |
| Microsoft Bing | Create function maximum with. | 4 / 18 |
|  |  |  |  |
| Teck Siong | Google | Red Faction find maximum beef return type in the job a parameter integer array numbers with parameter in the jar length begin | 12 / 18 |
| Google Cloud | create function find maximum beef return type in the job a parameter integer array numbers with parameter in the jar length begin | 14 / 18 |
| Microsoft Bing | Create something find next number in the job of prime numbers. | 3 / 18 |
|  |  |  |  |
| Vanessa | Google | create function find maximum with metal type integer with parameter integer array numbers with parameter integer language | 15 / 18 |
| Google Cloud | create function find maximum with return type in the job with parameter integer array numbers with parameter integer line begin | 16 / 18 |
| Microsoft Bing | Click function find the movie featured in the joke. | 2 / 18 |
|  |  |  |  |
| Vanessa2 | Google | create function find Maximum Reef return time in Asia with parameter integer array numbers with parameter integer land begin | 14 / 18 |
| Google Cloud | create function find Maximum Reef return type integer which parameter integer array numbers with parameter in TJ Lang begin | 14 / 18 |
| Microsoft Bing | Create function find Mickey Mouse with some time with paramita in every number with paramita India langin. | 7 / 18 |
|  |  |  |  |
| Vanessa3 | Google | quit function 5 maximum with return type in to draw with fur mantle on the job aroy numbers with Tyra metal into Joel during begin | 9 / 18 |
| Google Cloud | function 5 maximum with return type in to draw with Pimentel on the job of a numbers with parental into Joe 9 begin | 9 / 18 |
| Microsoft Bing | Good function 5 maximum list with indigo with Barbara Mitchell ondigital over a number is this 9. | 5 / 18 |

|  |  |  |  |
| --- | --- | --- | --- |
| Part 2 | | | |
| Required: | | declare integer max equal numbers array index zero  declare integer i  for i equal one i less than length i plus plus begin | Results |
| Bernard | Google | the Train the German equal numbers array index 0 declare in DJI 4 equals 1 listen when I place the spleen | 9 / 23 |
| Google Cloud | the Train the German equal numbers array index 0 declare integer by 4 equals one less than when I plus plus. | 14 / 23 |
| Microsoft Bing | Dicendi germax equal numbers of rain did you did great India I 4 equals one I left and then I plus +10. | 9 / 23 |
|  |  |  |  |
| Dad | Google | today in The Germ X equal numbers array index 0 secret in the eye for eye equal one I less than Lang I plus plus begin | 15 / 23 |
| Google Cloud | declare in The Germ X equal numbers of a intek zero degree in the G4 I equal one I less than Lang I plus plus begin | 14 / 23 |
| Microsoft Bing | Display in the gym X equal numbers of a indect zero degree in the gym I for I equal one I lost and Lang I plus plus begin. | 13 / 23 |
|  |  |  |  |
| Guo Qiang | Google | Detroit integer Max equal numbers array index 0 declare integer I I equal one less than Lang I plus plus begin | 19 / 23 |
| Google Cloud | declare integer mixed equal numbers array index 0 declare integer so I equal one I less than Lang I plus plus begin | 19 / 23 |
| Microsoft Bing | Deconet in TJ Maxx or numbers or Ray index zero Dick Latin teacher I for I equal one I less than laying I plus plus begin. | 15 / 23 |
|  |  |  |  |
| Jun Wei | Google | Victor integer.max equal numbers rate index zero declined your eye for eye equal one less than leg bypass stars begin | 12 /23 |
| Google Cloud | declare integer Max equal numbers reindexed 0 declare integer i4i equal one less than length 5 plus plus begin | 16 / 23 |
| Microsoft Bing | Joe mix equal numbers rated X zero integer I for I equal one I listen like I've lost again. | 10 / 23 |
|  |  |  |  |
| Nicholas | Google | declare integer X equal numbers array index 0 declare integer fall I equal 1 less than Lang I plus plus begin | 18 / 23 |
| Google Cloud | declare in The Germ X equal numbers array index 0 declare integer i4i equal 1 I less than Lang I plus plus begin | 17 / 23 |
| Microsoft Bing | Play indie germax equal numbers are 8 in next zero declare integer I 4 equal one I left Dan Lang I plus plus begin. | 13 / 23 |
|  |  |  |  |
| Qi Xuan | Google | in Clarinda Germ X equals numbers array index zero an integer I equal one I less than length I glass place begin | 15 / 23 |
| Google Cloud | declare integer Max equals numbers array index 0 declare integer I buy equal one I less than length I plus plus begin | 21 / 23 |
| Microsoft Bing | Clairin digimix equals numbers are rated XODIY equals one I lost and I lost plus begin. | 8 / 23 |
|  |  |  |  |
| Teck Siong | Google | incline the job Mexico's numbers array index 0 to cleanse your eye for eye equal one less than dang I lost last weekend | 9 / 23 |
| Google Cloud | declare integer Mexico's numbers array index 0 to cleanse your eye for eye equal one less than dang I lost last weekend | 12 / 23 |
| Microsoft Bing | Play germ X equals numbers are 8 index 0 / 4 equal one pilots then then I lost last weekend. | 7 / 23 |
|  |  |  |  |
| Vanessa | Google | The Cutting Edge of mix equal numbers array index 0 declared integer I so I equal 1 I less than Liang eye Plastics begin | 14 / 23 |
| Google Cloud | declare integer Max equal numbers array index 0 declare integer i4i equal one I less than Lang I Plasti Dip | 16 / 23 |
| Microsoft Bing | Next equal numbers of rain in next year because I for I equal one I left and then I crashed again. | 9 / 23 |
|  |  |  |  |
| Vanessa2 | Google | declare in TJ Maxx equal numbers array index 0 declare integer I 4 equal 1 and less than land I plus plus begin | 17 / 23 |
| Google Cloud | declare integer Max equal numbers array index 0 declare integer i4i equal 1 and less telling a plus plus begin | 16 / 23 |
| Microsoft Bing | Declare integer next equal numbers every in next ODI 4 equal one I left in Lang I last night speaking. | 8 / 23 |
|  |  |  |  |
| Vanessa3 | Google | get Club Indigo bags equal numbers or Roy in the zero you clear Google full equal one less than learn all plus plus video | 9 / 23 |
| Google Cloud | declare integer bags equal numbers or Roy in the 0 degree in digital for equal one less than learn all plus plus video | 12 / 23 |
| Microsoft Bing | Decleir indigo Max equal numbers or right and O decleir indiggo are 48 equal 10 nice teller or plus plus begin. | 7 / 23 |

|  |  |  |  |
| --- | --- | --- | --- |
| Part 3 | | | |
| Required: | | if numbers array index i greater than max then  max equal numbers array index i  end if  end for  return max  end function | Results |
| Bernard | Google | if numbers re-index I'm greater than men's then makes equals numbers array index and if ever return Max and fun | 12 / 23 |
| Google Cloud | if numbers re-index I'm greater than men's then makes equals numbers array index and if ever return Max and fun | 12 / 23 |
| Microsoft Bing | Is number 3 in that I created a mixed in mixed numbers are in the East End so we turn makes a funk? | 4 / 23 |
|  |  |  |  |
| Dad | Google | his numbers array index greater than Mets 10 Mexico numbers array index Inn for written Max and function | 11 / 23 |
| Google Cloud | his numbers array index greater than Max 10 Mexico numbers array index INF and 4 written Max and function | 11 / 23 |
| Microsoft Bing | Is numbers of RE indexing I better than 10 Mexican numbers are 8 index INFM 4 with Max and function? | 7 / 23 |
|  |  |  |  |
| Guo Qiang | Google | is numbers parade index greater than less than equal numbers array index Inn for return Max and function | 12 / 23 |
| Google Cloud | if numbers parade index greater than less than equal numbers array index Inn for return and function | 12 / 23 |
| Microsoft Bing | Numbers for a index I created then mix in mix equal numbers or Ray index INEN 4 return mix and function. | 8 / 23 |
|  |  |  |  |
| Jun Wei | Google | if numbers are index I greeted and Max then Mexico numbers array index Inn for return Max and function | 13 / 23 |
| Google Cloud | if numbers re-index I greeted and Max then Mexico numbers array index Inn for return next and function | 11 / 23 |
| Microsoft Bing | Number sorry next I created Max then next week or number index I 10 East and 4 return Max and function. | 10 / 23 |
|  |  |  |  |
| Nicholas | Google | is numbers array index greater than Max then mix equal numbers array index I Ben is info return X and function | 14 / 23 |
| Google Cloud | is numbers array index greater than Max then mix equal numbers array index Inn for return Max in function | 15 / 23 |
| Microsoft Bing | Is number Ray index I greater than Max then mix equal numbers or a intex INSN 4 return Max and function? | 12 / 23 |
|  |  |  |  |
| Qi Xuan | Google | if numbers array index are greater than x then next equals numbers array index and if and the fall return Max and function | 15 / 23 |
| Google Cloud | if numbers are 8 in next are greater than x then next equals numbers array index I end if and the fall return Max and function | 15 / 23 |
| Microsoft Bing | If numbers are 8 in next I agree to that Max then next week was number zaratan text I end it and for return Max and function? | 12 / 23 |
|  |  |  |  |
| Teck Siong | Google | if numbers array index I greater than Max than Max equal numbers array index I and if and fall return Max and function | 18 / 23 |
| Google Cloud | if numbers array index I greater than Max then Max equal numbers array index I end if and fall return Max and function | 20 / 23 |
| Microsoft Bing | If numbers are index I created in mex mex equal numbers are in the XINFN 4 return Max and? | 8 / 23 |
|  |  |  |  |
| Vanessa | Google | this numbers of Ray index Equator the next than Max equal numbers array index I when is Alpha Peter next and function | 10 / 23 |
| Google Cloud | this numbers of reindex I quitter the next than Max equal numbers array index and if and for return next and function | 12 / 23 |
| Microsoft Bing | If numbers of the index I agree to that next then next equal numbers of rain in the next IN is in full beat up next and function? | 8 / 23 |
|  |  |  |  |
| Vanessa2 | Google | is numbers every index I quitted mx10 mix equal numbers array index any info written Banks and function | 8 / 23 |
| Google Cloud | case numbers away index I quitted mx10 mix equal numbers array index and and formal return Banks and function | 9 / 23 |
| Microsoft Bing | This number every index I get to 10 minutes then next equal numbers every index INEN for 15 minutes and function. | 9 / 23 |
|  |  |  |  |
| Vanessa3 | Google | if numbers array index are greater than Max Max equal numbers array index Woodinville little Max and function | 14 / 23 |
| Google Cloud | if numbers array index are greater than Max Max equal numbers array index info little Max and function | 14 / 23 |
| Microsoft Bing | Is number array inducks I went to the next that much equal numbers are right in the INFO for next song? | 6 / 23 |

**Summarized Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parts | Google | Google Cloud | Microsoft Bing | Total |
| 1 | 125 / 180 | 135 / 180 | 64 / 180 | 324 / 540 |
| 2 | 137 / 230 | 157 / 230 | 99 / 230 | 393 / 690 |
| 3 | 127 / 230 | 131 / 230 | 84 / 230 | 342 / 690 |
| Total | 389 / 640 | 423 / 640 | 247 / 640 | 1059 / 1920 |