

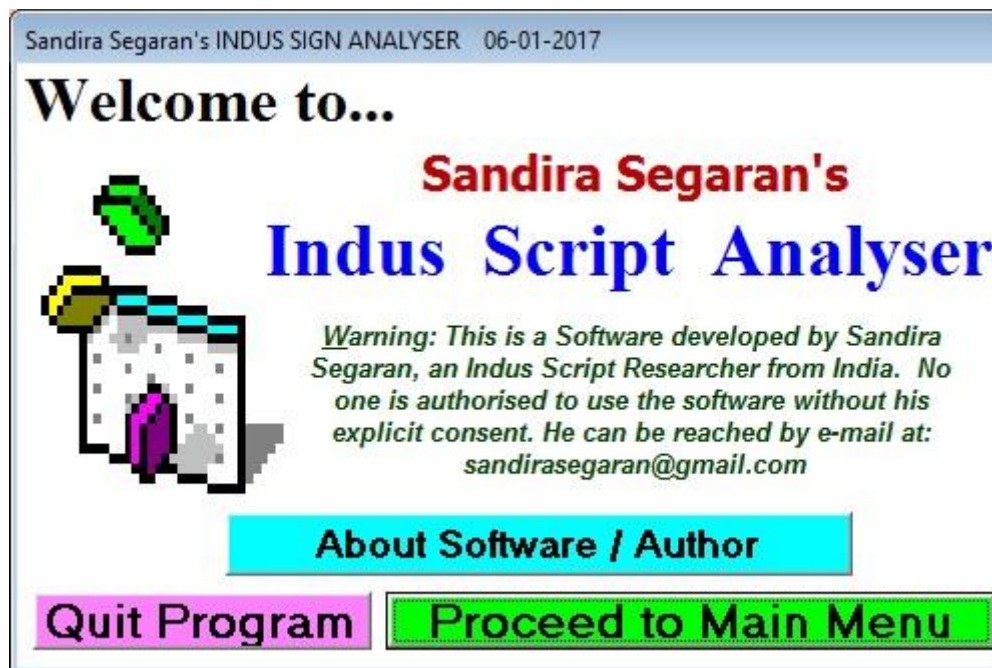
Indus Script Analyzer

I have included the phrase '**computed aided**' in the very title of the book. Hence, I am bound to explain in plain terms in what way computer aided my efforts to decipher the Indus Script. Anyone who has read my bio would know that I am basically a mathematician and symbolic logician and that I have taken a fancy to computer programming with a few successful enterprises to my credit. When I decided to devote my whole time to the decipherment of Indus Script the first thing I did was to develop a working software to aid my decipherment efforts. In fact, I have eventually succeeded in this direction.

AB-01. In this Appendix, a brief description of my much-hyped digital program for analysis of the Indus Script is furnished.



What you see above is the opening page of the program. Once you click on the self-explanatory button marked '*Click here to proceed*', you are taken to the welcome page:



The button marked 'About Software / Author' takes you to a window which furnishes some info on the author as well as on the nature of the program.

Introduction	Visit Webpage
<p>This program is meant for ANALYSIS of Indus signs and texts. It will definitely go a long way in helping serious minded scholars and researchers in their efforts towards the decipherment or disentanglement of Indus inscriptions.</p> <p>As an indispensable aiding tool towards this end the program uses for its various analyses a Harappan script Font developed by me known as Segaran-Harappan Font; I have also devised an easy-to-use on-screen Harappan keyFeed for writing Harappan texts.</p> <p>Further I have also created a database comprising all known Harappan Texts (classified according to the concerned site of excavation like Mohenjo Daro, Harappa, Lothal etc.) for the sake of analysis.</p> <p>The software is still in beta stage and requires a lot of improvements. Bugs, if any, noticed in the course of using the software for analysis of Indus inscriptions may kindly be reported to the following email address for debugging and rectification (CLICK THE LINK): -</p> <p>sandirasegaran@gmail.com</p>	<p>A website has been exclusively built and is maintained for the purpose of Research on Indus Script. Among other features, provisions are available in the website for procurement of hundreds of Concordance tables generated by this software. Further the virtual keyFeeds for Classical Languages of India included in this software are also available for FREE DOWNLOAD for use of researchers on languages. The Indus Sign keyFeed which is a versatile tool for typing Indus Signs is also available for download. In fact this software program itself is offered to serious minded Indus Researchers and Scholars on payment of a fee to be decided by the researcher. CLICK THE LINK BELOW TO TAKE YOU TO THE WEB-PAGE</p> <p>http://www.sansoenterprises.com</p> <p>Close</p>

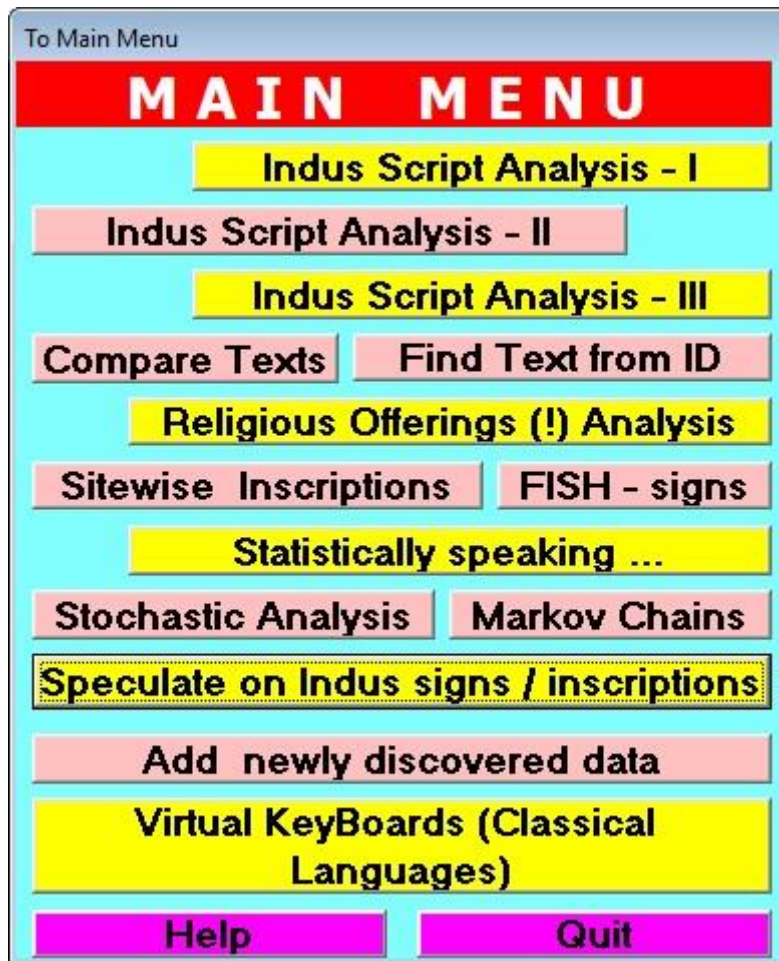
By clicking on 'close', you can come back to the welcome window.

The button marked 'Quit Program' can be operated at any stage in order to quit the program.

The button marked 'Proceed to Main Menu' is evidently self-explanatory.

AB-02. The '*Main Menu*' window which is pictured below is the portal from where you can navigate to any part of the program with ease. It contains the following navigation buttons:

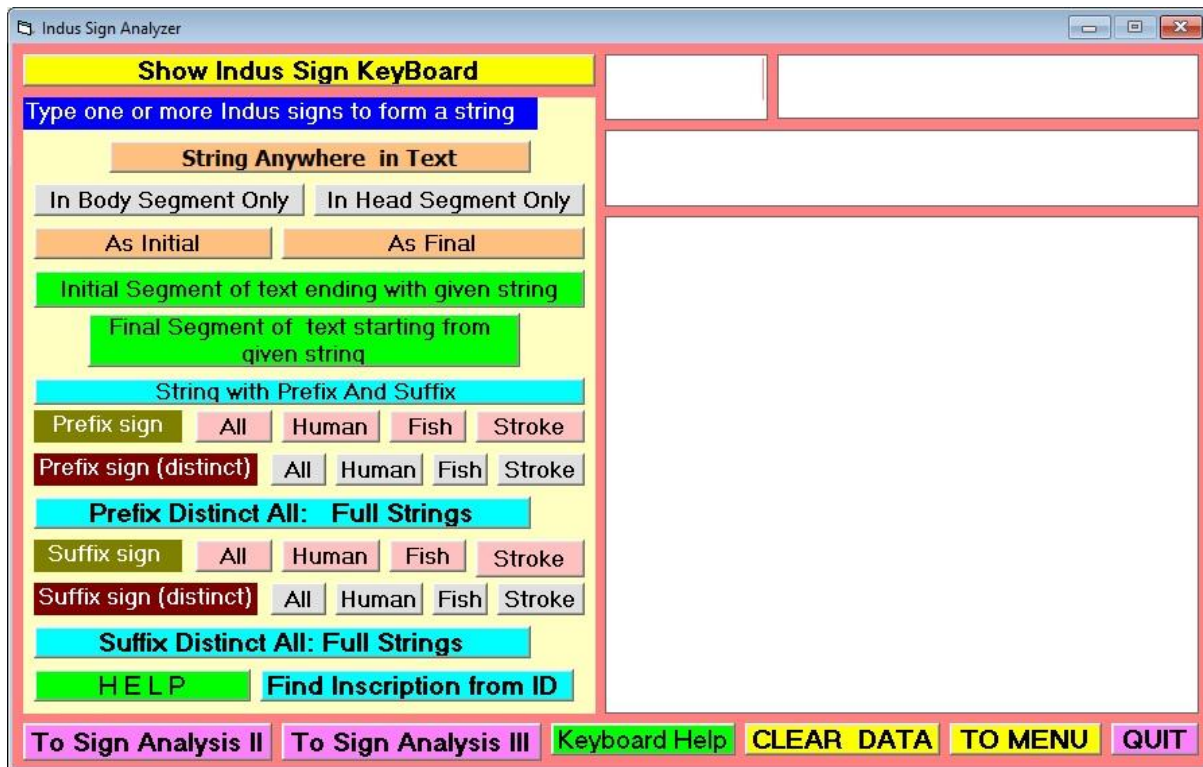
- (1) Indus Script Analysis I,
- (2) Indus Script Analysis II,
- (3) Indus Script Analysis III,
- (4) Compare Texts,
- (5) Find texts from ID,
- (6) Religious Offerings (!) Analysis,
- (7) Site-wise Inscriptions,
- (8) FISH-signs,
- (9) Statistically Speaking...,
- (10) Stochastic Analysis,
- (11) Markov Chains,
- (12) Speculate on Indus Signs and Inscriptions,
- (13) Add newly discovered data,
- (14) Virtual Keyboards (Classical Languages)
- (15) Control Buttons: 'Help' & 'Quit'




03. There are in all 3 separate windows for general analysis of Indus Inscriptions. They are described briefly in what follows. I am not going to explain in general terms how each button in a window works. Instead I'll take a simple concrete example and deal with it in a comprehensive manner. The following 2-sign text appears very frequently in Indus Inscriptions:

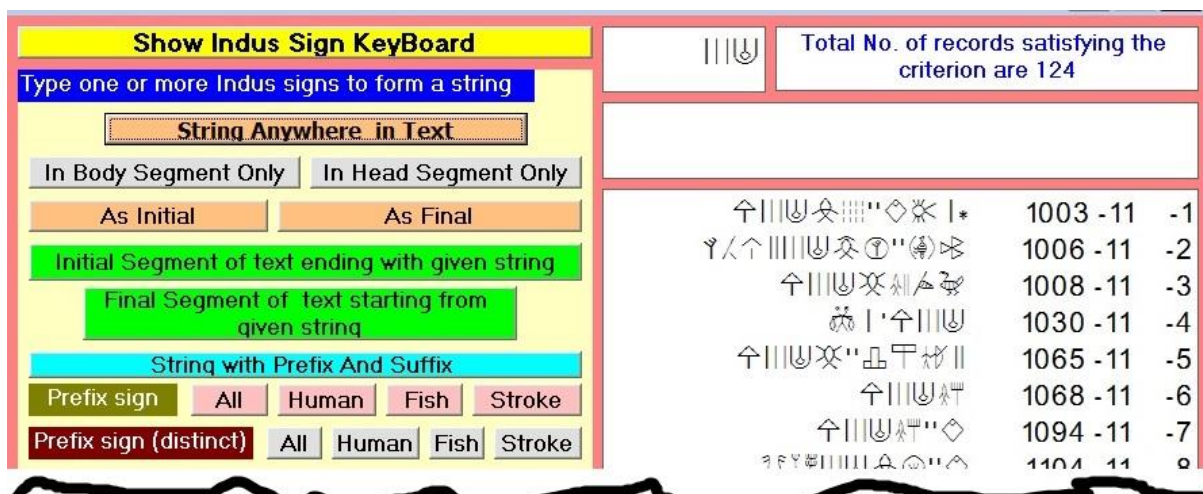
|||U

At first, we'll now examine this combination in **Indus Script Analysis I** window. To start with, we click '*Show Indus Sign Key-Board*' in order to make an entry of the above sign combination in the window for analysis. We have already learnt in Appendix A as how to handle the virtual key-board for typing Indus signs.



Once we have made entry of the sign combination, it is possible to make the following analyses in this window:

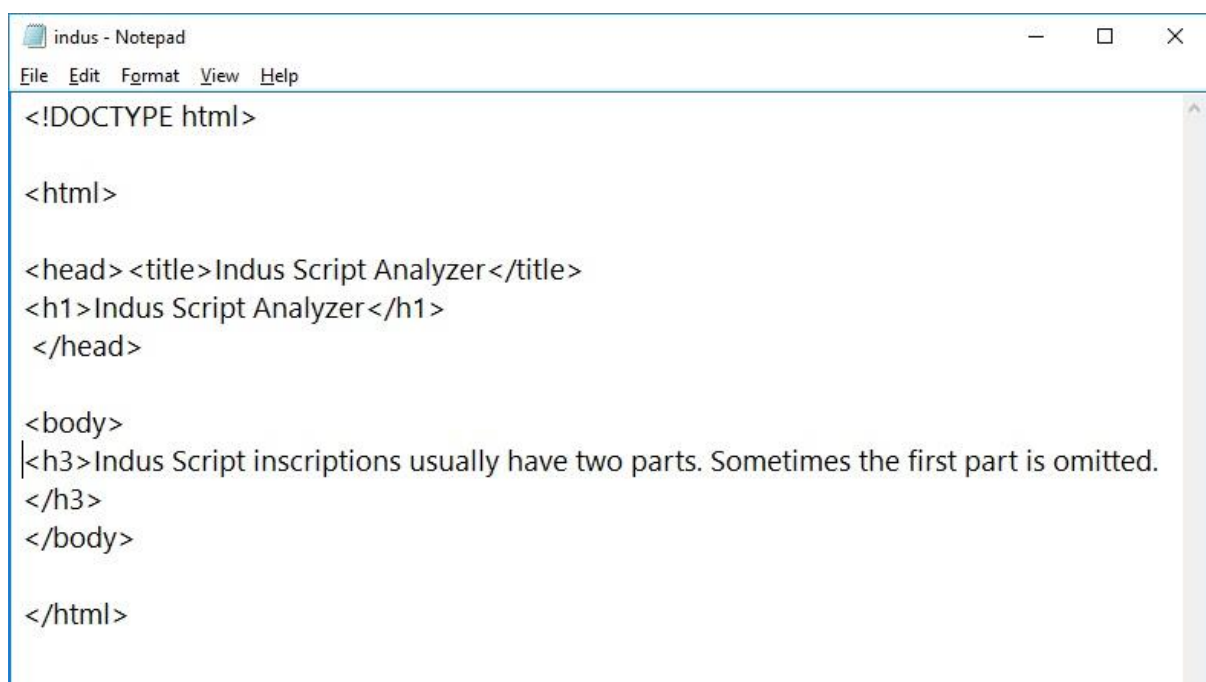
- (1) *String Anywhere in Text*: All instances of the sign combination  in Indus Inscriptions in any position are displayed as shown below.
(there are about 124 instances):



A digression becomes inevitable at this stage. Most of the readers may be acquainted with of *HTML documents* which constitute the webpages we visit

in internet or we frequently refer in our computer system, offline. The rudiments are simply non-technical matters. The essential point is that any HTML document comprises of two parts called, (1) **head** and (2) **body**. The important point is that a webpage will be displayed properly even if the *head portion is omitted*. However, if the *body portion* is omitted the HTML document is incomplete and webpage will not have a title and other details of the documents.

A very simple example will illustrate my point. Open Notepad and type the following simple lines:



```
<!DOCTYPE html>

<html>

<head> <title>Indus Script Analyzer</title>
<h1>Indus Script Analyzer</h1>
</head>

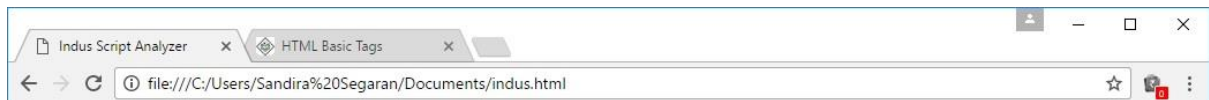
<body>
|<h3>Indus Script inscriptions usually have two parts. Sometimes the first part is omitted.
</h3>
</body>

</html>
```

Save the file as **indus.html**.

Now open Chrome or any other Browser. By clicking **Ctrl + O** you can display the saved file in the browser.

The following is your webpage, in which you'll find that the portion marked 'title' is *not* displayed, but the heading 'Indus Script Analyzer' between tags <h1> and </h1> is displayed. Same is the case with Indus Inscriptions; they consist usually of two portions and following the analogy of html documents, I call them as '**head**' and '**body**'.



Indus Script Analyzer

Indus Script inscriptions usually have two parts. Sometimes the first part is omitted.

For examples, the following inscriptions are split into head and body segments:

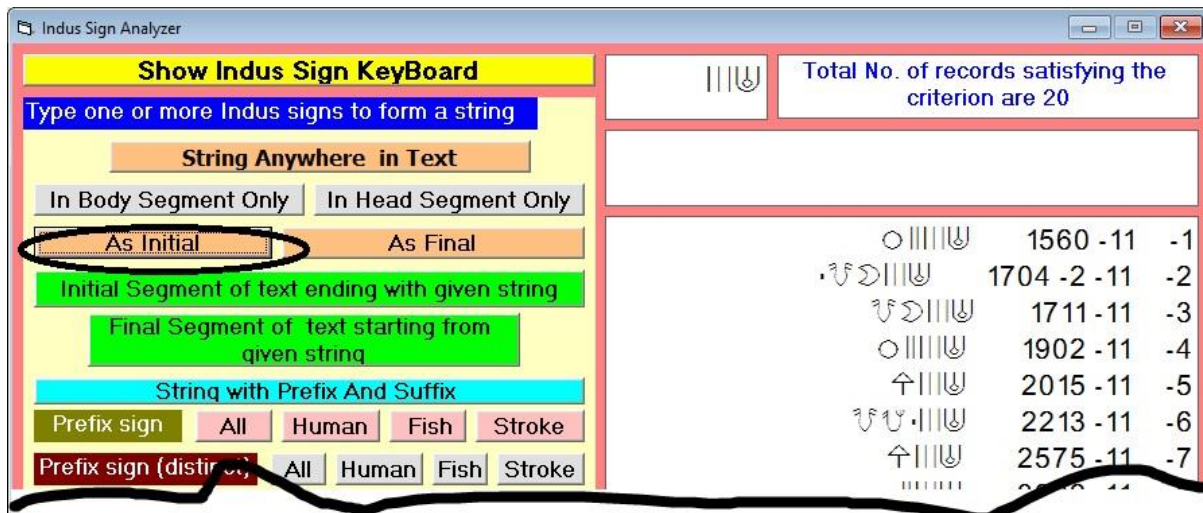
(1)		>>	
(2)		>>	
(3)		>>	
(4)		>>	
(5)		>>	

The above point is important, because when we talk of a word-initial element it may mean also the **initial element in the body portion**. For instance, 𐎶 is word-initial in head segment only in example (1) and (2) and word-initial in (5). In (1), (2), (3) and (4) the signs 𐎶𐎶𐎶𐎶, 𐎶𐎶, 𐎶𐎶 and 𐎶𐎶 are word-initial elements respectively **in body-segments**.

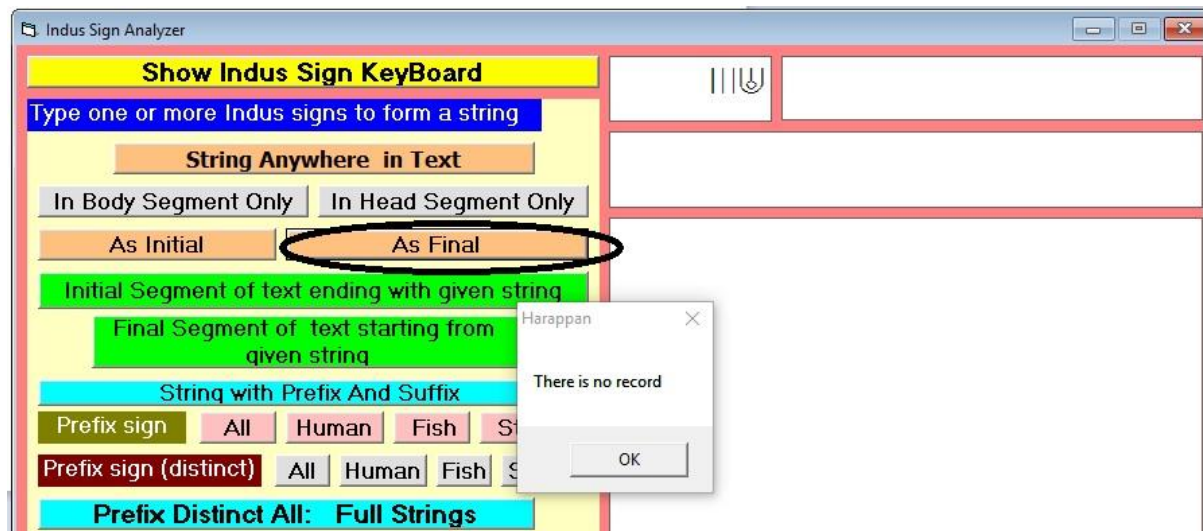
Let us now revert to our main discussion on the working of the Indus Script Analyzer. Continuing to our next item of discussion:

(2) *In Body-Segment only*: By clicking on this button, the Analyzer displays all inscriptions containing the sign combination in question, ||||U

In body-segment only. There are about 42 cases. On the right-hand side top, you have a description of the result. The blank space below will be explained at the appropriate time.



(5) *As Final*: By clicking on this button, the Analyzer displays all inscriptions containing the sign combination in question, ||||| as final element of a word or of an inscription. There are **no** such cases. *This is an important finding. From this analysis, I have established that the numeral stroke sign, ||| is attached to ʌ, but not to a sign following it.*



(6) *Initial Segment of text ending with the given string*: Self-explanatory. We sometimes need a list of such inscriptions. Naturally the entire list of 124 cases will be enumerated; the only thing is that the portions of inscriptions **following** the string under examination will be cut off.

Indus Sign Analyzer

Show Indus Sign KeyBoard

Type one or more Indus signs to form a string

String Anywhere in Text

In Body Segment Only In Head Segment Only

As Initial As Final

Initial Segment of text ending with given string

Final Segment of text starting from given string

String with Prefix And Suffix

Prefix sign: All, Human, Fish, Stroke

Prefix sign (distinct): All, Human, Fish, Stroke

Prefix Distinct All: Full Strings

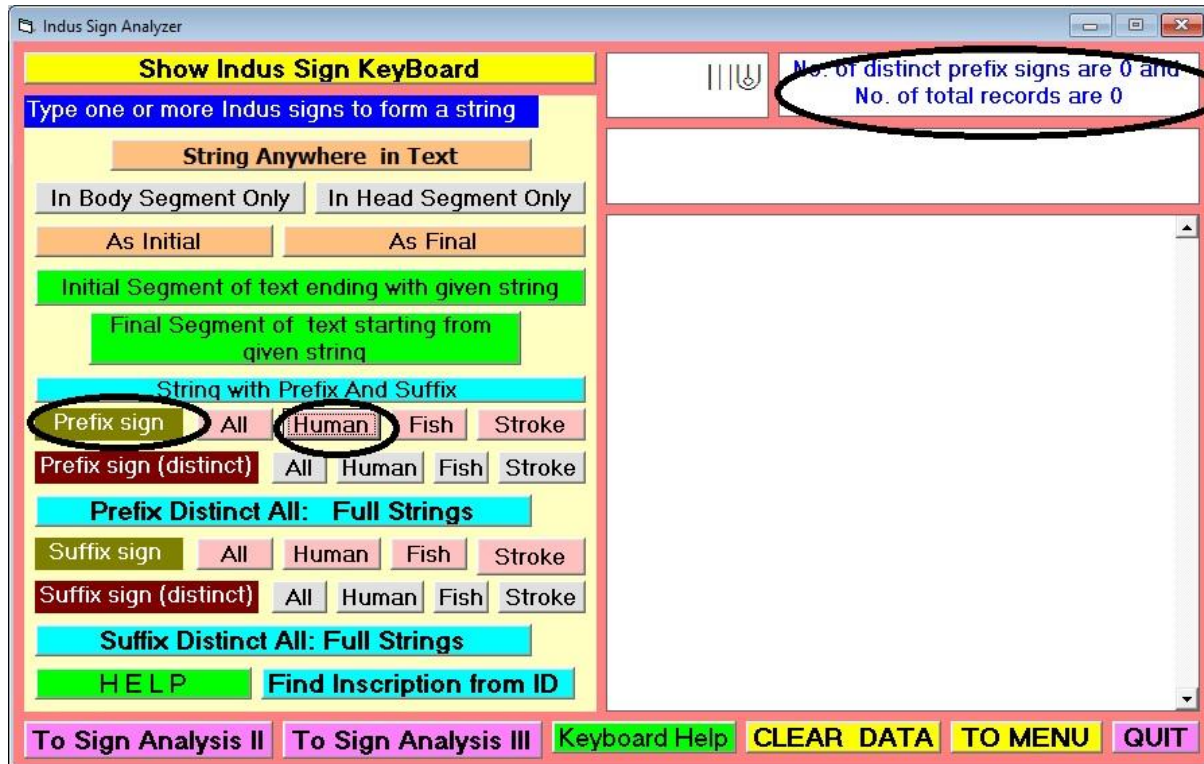
Total No. of records are 90

𑀩𑀭𑀮𑀭𑀮𑀭𑀮	1003 -11	-1
𑀩𑀭𑀮𑀭𑀮𑀭𑀮	1006 -11	-2
𑀩𑀭𑀮𑀭𑀮𑀭𑀮	1008 -11	-3
𑀩𑀭𑀮𑀭𑀮𑀭𑀮	1065 -11	-4
𑀩𑀭𑀮𑀭𑀮𑀭𑀮	1094 -11	-5
𑀩𑀭𑀮𑀭𑀮𑀭𑀮	1104 -11	-6
𑀩𑀭𑀮𑀭𑀮𑀭𑀮	1105 -11	-7
𑀩𑀭𑀮𑀭𑀮𑀭𑀮	1168 -11	-8
𑀩𑀭𑀮𑀭𑀮𑀭𑀮	1251 -11	-9

[illegible]

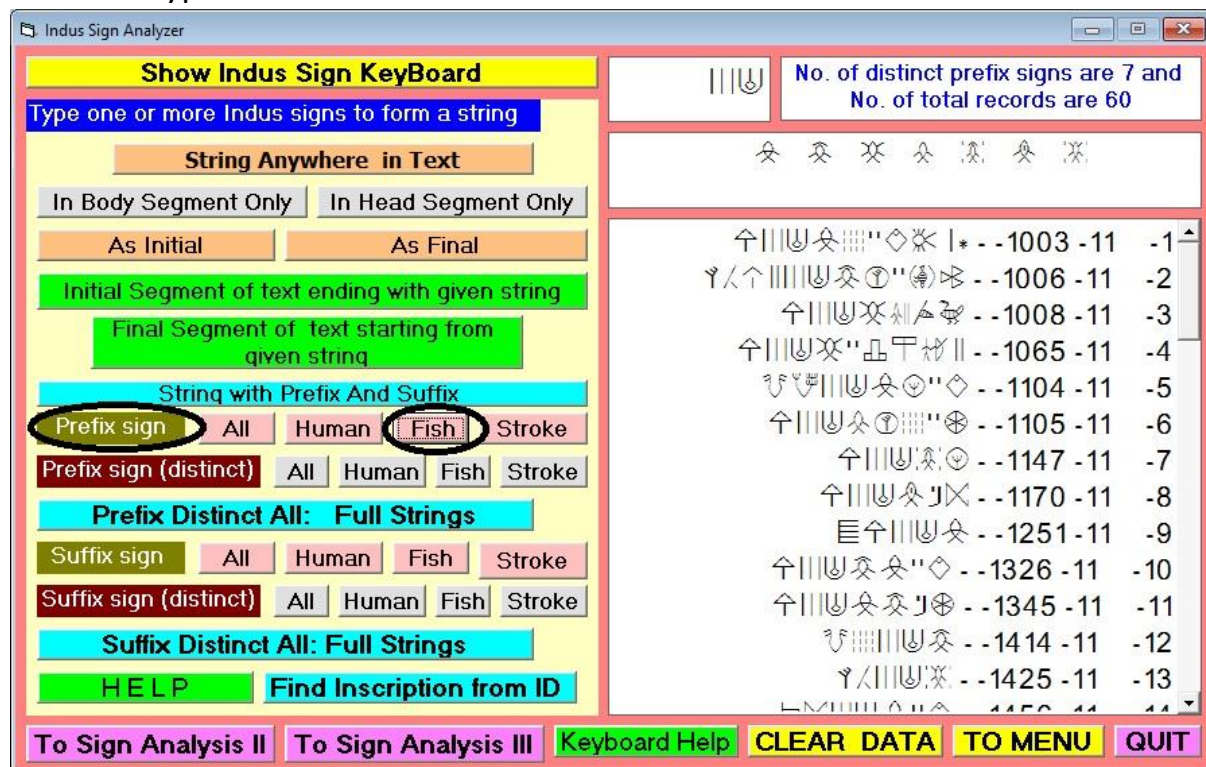
While entire records are displayed in the panel **A**, in the area marked **C**, a description of results is given. In this particular instance, it is reported that '*No. of distinct prefix signs are 22 and No. of total records are 94.*' In the area marked **B**, the 22 distinct prefixes are enumerated.

(10) Prefix sign: *Human*: By clicking on this button, the Analyzer displays all inscriptions containing the sign combination in question, ||||ᵁ preceded by different types of **Human** elements. In the present analysis there are no cases. See the result area.

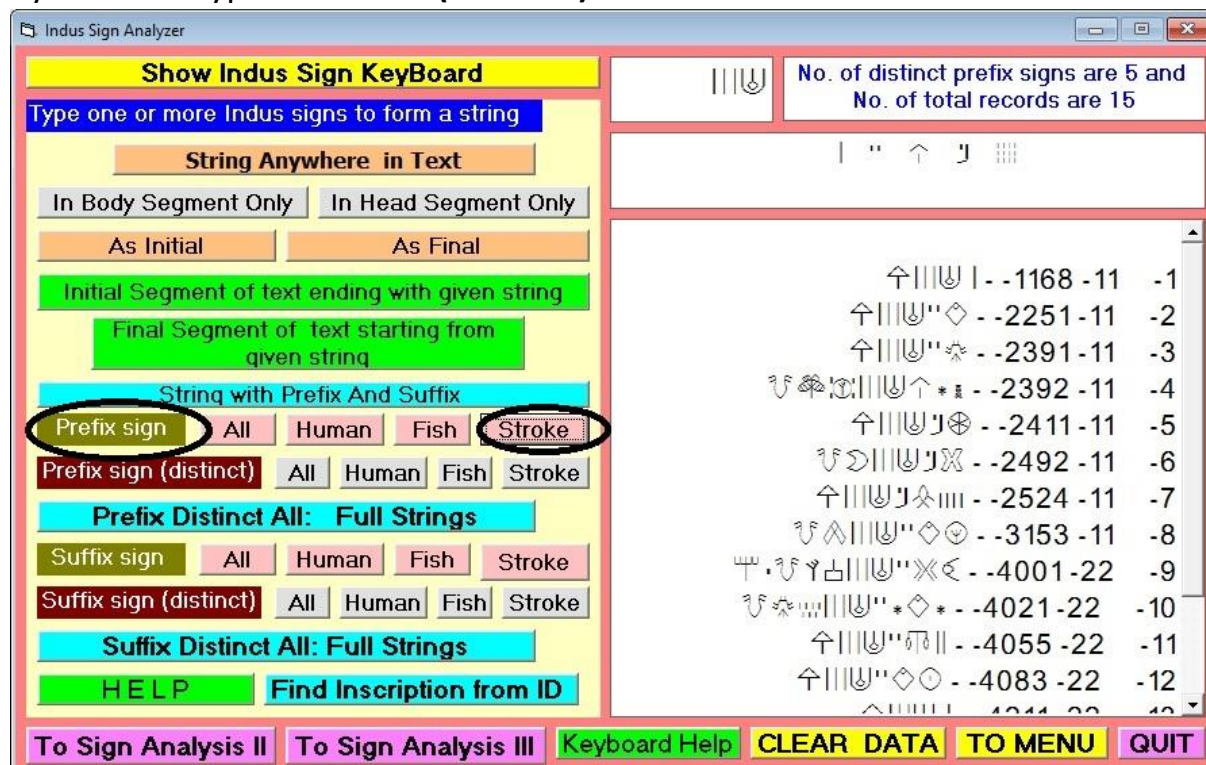


(11) Prefix sign: *Fish*: By clicking on this button, the Analyzer displays all inscriptions containing the sign combination in question, ||||ᵁ preceded by

different types of **Fish** elements.



(12) Prefix sign: *Stroke*: By clicking on this button, the Analyzer displays all inscriptions containing the sign combination in question, |||| preceded by different types of **Stroke (numeral)** elements.



(13) *Prefix Distinct All: Full strings* - By clicking on this button, the Analyzer displays all inscriptions containing the sign combination in question, ||||| along with its different types of pre-element.

The above procedures can be repeated for Suffix with the next buttons.

Find Inscription from ID:

Suppose you know the ID number and want to know the inscription referred to by the ID. You simply click on the button marked 'Find Inscription from ID', you'll be taken to another window as shown below:

Type below a known ID No. to get the corresponding inscription for examination.

Find CorrespondingText

Clear above text areas

CLOSE

