

Title of Project: Zero – A Native Programming initiative

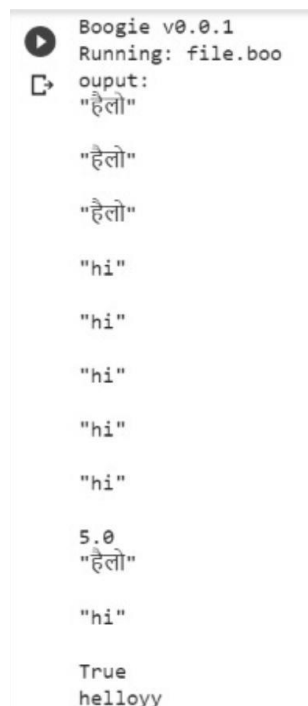
Description of Problem: The impact of coding is huge in the modern era and its significance need not be stated. As a matter of fact, almost all the programming languages ever built have an English syntax. But, out of the world's approximately 7.5 billion inhabitants, only 1.5 billion speak English according to a survey conducted in 2017. We believe that this language barrier is preventing people from innovation and productivity. Our solution is to create programming languages in vernacular languages of people to get a large per cent of the population interested in coding. This would be the steppingstone to millions of more innovations in the future as this model gives the creating tool to the common people who can do wonders with it. To start with, we have made a prototype programming language in Hindi (A language of India).

Target User: All those people who do not speak English.

Target problem and key insights: The AI which is made today is made up of very complex coding and cannot be understood by a normal person. Our language makes coding very easy and fun. Just like the way one talks with Alexa and Siri in today's world, it might be possible in the future that coding could also be done verbally. Our language would be at an advantage because of the usage of simple day to day words in our syntax so that even common people without any degree in computer science can easily master the skill. You can download our language by clicking on the link given below.

Prototyping stages: First, we added variables, the print statement then arithmetic, Boolean values, strings, and we till date continue to add more features to our Hindi programming language prototype. An example of the input and output in our Hindi Programming language prototype is below. (We have not developed the programming languages in other languages yet, but their working would be similar to this prototype)

```
// Instantiate two variables.
c = "हेलो"
likhiye(c)      -X3
z = "hi"
// likhiye is used for printing statements
likhiye(z)      -X5
t = 10
y = 2
// math is used for doing mathematical operations
math(t/y)
// agar is used for applying if statements
agar c != z
    likhiye("helloyy")
```



```
Boogie v0.0.1
Running: file.boo
ouput:
"हेलो"
"हेलो"
"हेलो"
"hi"
"hi"
"hi"
"hi"
"hi"
"hi"
5.0
"हेलो"
"hi"
True
helloyy
```

Input

Output

For more information, please visit our website: <http://zerolang.000webhostapp.com/>

