Welcome to my presentation

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Problem: too difficult for non-english speaking arabs to learn programming

```
Problem: too difficult for non-english speaking arabs to learn programming

Solution: make an arabic
```

Solution: make an arabic programming language:)

Intro/title.md

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13	< By Khalid Alghunaim >
14	The state of the s

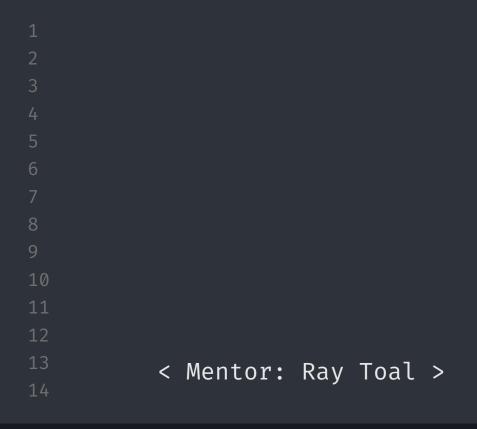
Special Thanks/Lee.jpeg



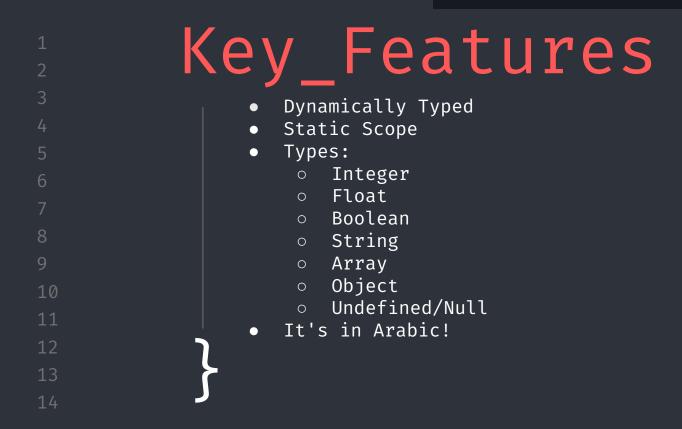


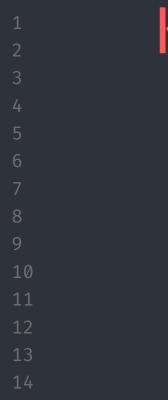


< Syntax Designer: Omar Abdulatif >







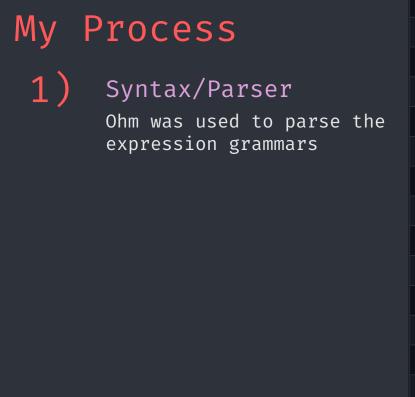


Key_Features {

- Multiple Declarations on the same line
- Ternary
- Try Catch
- Ifs
- Switchs
- For/ For of
- While/ Do While
- Functions
- Classes
- Even built in functions like console.log and typeof!

keyFeatures.md

process.md



break	قف
case	حالة
catch	مسك
class	صنف
const	ثابت
constructor	منشئ
continue	استمر
default	خلاف ذلك
do	افعل
else	آخر
else if	ولو
false	خطا
for	ل
function	دالة

if	لو
let	دع
new	خدتد
null	نل
of	من
print	طبع
return	70
switch	تبديل
this	هذا
true	صح
typeof	نوع
undefiend	مجهول
var	متغير
while	بينما

```
Process
      Syntax/Parser
      Ohm was used to parse the
       expression grammars
                   Analyzer
                   After creating all the ast nodes,
                   we need to analyze them!
 Type checking
 Is Iterable?
• Is a Constant?
• Are we inside a function, class or loop?

    Are all keys of an object distinct?
```

خالد → Khaled

→ var n

Examples:

y Process

1) Syntax/Parser

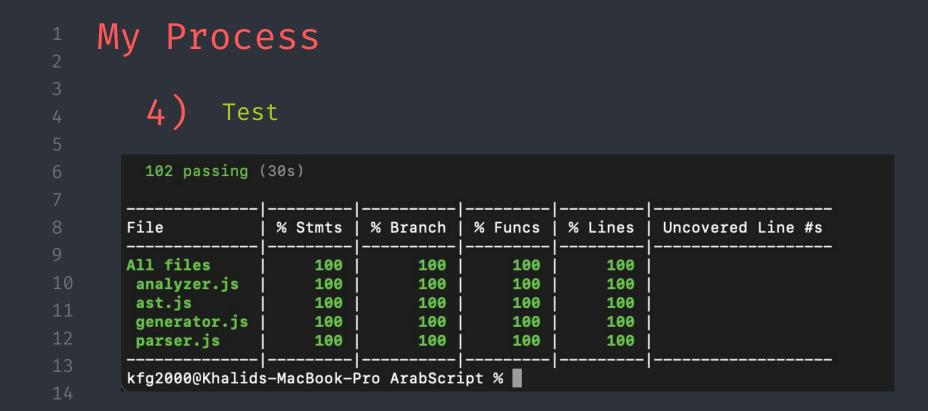
Ohm was used to parse the expression grammars

Analyzer

After creating all the ast nodes, we need to analyze them!

3) Generator

Lastly, we generate javascript code. Using the NLP Translation API, we can translate variable names to english!



Special Thanks/Lee.jpeg





```
JavaScript:
                                               ArabScript:
const var 1 = (-((1.2 ** 2)) - (39 / 23));
                                                                ثابت ط = -(۲*۱٫۲۳-۲۲/۳۹؛
let var 2 = undefined, var 3 = 1, var 4 = 3;
                                                                        دع ۱، ب=۱، ت=۳؛
const var 5 = 1, var 6 = 1, var 7 = 3;
                                                                          دع شيء &عشوائي؛
let random thing;
random thing = true ? undefined : null;
                                                           شيء & عشو ائي = صح ؟ مجهول: نل؟
let collection = [1,2,3,4,5];
                                                                 دع مجموعة = [١،٢،٣،٤،٥]؛
let object = {1: 2, "\\\": 10};
                                                                دع کائن = {۲:۱،"۱۱۱":۱۱}؛
                                                                  كائن["١١١"]+ مجموعة[١]؟
(object["\\\"] + collection[1]);
```

Syntax/trycatch.arbs

```
let var_1 = {};
try {
     var 1.feature.feature;
} catch(mistake) {
     console.log(mistake);
```

```
ArabScript:
                                     دع ۱ = {}؛
  { الخاصية خاصية ؛ } مسك (غلطة) { طبع (غلطة) ؛ }
```

```
JavaScript:
                                                       ArabScript:
     !"خالد" = let noun
                                                                                      دع اسم = "خالد"؛
                                                                                   لو(اسم == "خالد"){
    if ((noun === "خالد")) {
                                                                          طبع("What a lad")؛
          console.log("What a lad");
    ﴾ ولو (اسم == "نور" || اسم == "بدر")} } else if (((noun === "انور" === noun || ("بدر" === "انور" || اسم == "بدر")}
          console.log("Meh");
                                                                                  طبع("Meh")؛
    } else {
                                                                                               }اخر{
                                                                        طبع("Not a sibling")؛
          console.log("Not a sibling");
10 }
```

```
JavaScript:
                                             ArabScript:
                                                                        دع اسم = "خالد"؛
:"خالد" = let noun
switch(noun) {
                                                                             تبديل(اسم){
                                                                       حالة "خالد".
     case "خالد":
          console.log("Lead Programmer");
                                                طبع("Lead Programmer")؛
          break:
                                                                        قف
     case "عمر":
                                                                       حالة "عمر ":
                                                   طبع("Syntax Designer")؛
          console.log("Syntax Designer");
          break:
                                                                    حالة "راى تول":
     :"رای تول" case:
          console.log("Mentor");
                                                             طبع("Mentor")؛
          break;
     default: console.log("Morale support");
                                               خلاف ذلك: طبع("Morale support")؛
```

```
JavaScript:
                                            ArabScript:
for (let number = 1; (number <= 5); number++) {
                                                         ل(دع رقم = ۱؛ رقم<=٥؛رقم++){
     console.log(number);
                                                                      طبع(رقم)؛
let numbers = [1,2,3,4,5];
                                                                دع ارقام = [٥،٢،٣،٤،١]؛
                                                                      ل(رقم من ارقام){
for (const number of numbers) {
                                                                       طبع(رقم)؛
     console.log(number);
```

```
JavaScript:
                                              ArabScript:
                                                                     دالة العد&التنازلي(عدد){
function countdown(number) {
                                                        طبع("!Begin countdown")؛
     console.log("Begin countdown!");
                                                                     بينما(عدد > ٠){
     while ((number > 0)) {
                                                                     طبع (عدد)؛
          console.log(number);
          number--;
                                                                  طبع("!Blast off")؛
     console.log("Blast off!");
do {
     countdown(10);
} while (false);
                                                                               إبينما (خطا)؛
```

Syntax/classes.arbs

Syntax/functions.arbs

```
JavaScript:
    class dog{
         constructor (noun, age){
               this.noun = noun;
               this.age = age;
         function bless() {
              ;("ووف");console.log
11 }
    let khaled = new dog("7 ,خالد");
    khaled.noun = "احمد";
    khaled.bless();
```

ArabScript:

```
منشئ (اسم، عمر)
       عمر هذا = عمر ؟
             دالة بارك(){
          طبع("ووف")؛
دع خالد = کلب("خالد"،٧) جدید؛
                خالد بارك()؛
```

languageDescription.jpeg

Flaberant adjective

Fla-ber-uhnt | Flah-bur-ant

PLURAL Flaberant

Definition of Flaberant

- 1 : An item or person that is unique or beautiful.
- 2 : That art piece is flaberant!



Thank me to me action

Th-ahn-k-mi-tu-mi

PLURAL Thank us to us

Definition of Thank me to me

- 1 : When a person thanks themselves.
- 2: When a group thanks themselves.

Thanks; {

'Do you have any questions?'

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Thanks; {

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