```
start(): Integer{
    Integer number_1 = 0;
    Integer number_2 = 20.05;
    Integer number_3 = 30;
    if (number_1 > number_2 &&
number_1 > number_3){
        print(number_1);
    }
    else if ( number_2 > number_1
&& number_2 > number_3 ){
        print(number_2);
    }
    else if ( number_3 >= number_1
&& number_3 <= number_2 ){
        print(number_3);
    }
    else{
        print("Values are not
unique");
    }
    return 0;
}
```

```
---PIF---
start --- 0
( --- 0
) --- 0
: --- 0
Integer --- 0
{ --- 0
number_1 --- 12
= --- 0
0 --- 4
; --- 0
number_2 --- 26
20.05 --- 18
number_3 --- 48
30 --- 43
if --- 0
> --- 0
&& --- 0
print --- 9
} --- 0
else --- 0
>= --- 0
<= --- 0
" --- 0
Values are not unique  --- 11
return --- 0

---Symbol Table--- (hashtable)
4. ['0']
9. ['print']
11. ['Values are not unique ']
12. ['number_1']
18. ['20.05']
26. ['number_2']
43. ['30']
48. ['number_3']
```

```
start(): Integer {
   Integer i, n;
   Boolean is_prime = true;

   read(n);

   if (n == 0 || n == 1) {
      is_prime = false;
   }
   else {
      for (i=2; i <= n/2; i++) {
         if (n % i == 0) {
            is_prime = false;
            break;
         }
      }
   }
   if (is_prime){
      print("prime number");
   }
   else{
      print("not a prime number");
   }

   return 0;
}
```

```
---PIF---
start --- -1
( --- -1
) --- -1
: --- -1
Integer --- -1
{ --- -1
i, --- 48
n --- 39
; --- -1
Boolean --- -1
is_prime --- 35
= --- -1
true --- 4
read --- -1
if --- -1
0 --- 27
|| --- -1
1 --- 13
false --- 28
} --- -1
else --- -1
for --- -1
i --- 25
2 --- 11
< --- -1
/ --- -1
+ --- -1
% --- -1
break --- -1
print --- 32
" --- -1
prime number  --- 46
not a prime number  --- 6
return --- -1

---Symbol Table--- (hashtable)
4. ['true']
6. ['not a prime number ']
11. ['2']
13. ['1']
25. ['i']
27. ['0']
28. ['false']
32. ['print']
35. ['is_prime']
39. ['n']
46. ['prime number ']
48. ['i,']
```

```
start(): Integer{
   Integer[] my_array = [1, 2, 3,
4, 5];
   Integer array_length = 5, i =
0;
   Integer sum = 0;


   for(i = 0; i < array_length;
i++){
      sum = sum + my_array[i];
   }

   print(sum);

}
```

```
---PIF---
start --- -1
( --- -1
) --- -1
: --- -1
Integer --- -1
{ --- -1
[ --- -1
] --- -1
my_array --- 46
= --- -1
1, --- 20
2, --- 41
3, --- 47
4, --- 0
5 --- 27
; --- -1
array_length --- 23
5, --- 0
i --- 2
0 --- 39
sum --- 7
for --- -1
< --- -1
+ --- -1
} --- -1
print --- 5

---Symbol Table--- (hashtable)
0. ['4,', '5,']
2. ['i']
5. ['print']
7. ['sum']
20. ['1,']
23. ['array_length']
27. ['5']
39. ['0']
41. ['2,']
46. ['my_array']
47. ['3,']
```

```
start(): Integer{
   Integer[] my_array = [1, 2, 3,
4, 5];
   Integer array_length = 5, i =
0;
   Integer sum = 0;


   for(i = 0; i < array_length;
i++){
      sum = sum +
my_array[ĂĂĂĂĂĂĂ];
   }

   print(sum);
}
```

```
Lexical error. Invalid token: 'Ä'
on line 8
```