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