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Programming language docs:
# Rules:
# used for comments: #
# keyword start at the beginning of the compilable program
# keyword end at the end of the compilable program (anything after end is not taken
anymore into account by the compiler)
# = represented with "takes"
# > represented with "greater"
# < - represented with "smaller"
# >= - represented with "greaterEq"
# <= - represented with "smallerEq"
# == - is
#!= - isNot
# read(variable) to read a value for variable
# write(x) to write the content between the brackets
# every statement must end with semicolon
P1
# Compute maximum of 3 numbers
P1
# maximum of 3 numbers
start
  int nr1;
  int nr2;
  int nr3;
  int maximum;
  string text;
  read (nr1);
  read (nr2);
  read (nr3);
  maximum takes nr1;
  if (nr2 greaterEq maximum)
     maximum takes nr2;
  elif (nr3 greaterEq maximum)
  {
     maximum takes nr3;
```

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};
  write ("max is ");
  write (maximum);
end
P2
# solution of 2nd order equation
start
  float a;
  float b;
  float c;
  float discriminant;
  float root1;
  float root2;
  read(a);
  read(b);
  read(c);
  discriminant takes (b * b) - (4 * a * c);
  if (discriminant smaller 0)
  {
     write("No real roots");
  }
  elif (discriminant is 0)
     root1 takes -b / (2 * a);
     write("One real root: ");
     write(root1);
  }
  else
  {
     root1 takes (-b + sqrt(discriminant)) / (2 * a);
     root2 takes (-b - sqrt(discriminant)) / (2 * a);
     write("The root or roots are: ");
     write(root1);
     write(" and ");
     write(root2);
  };
end
```

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Р3
# sum of n numbers
start
  int n;
  int i;
  int current_number;
  int sum;
  sum takes 0;
  read(n);
  i takes 1;
  while (i smallerEq n)
  {
    read(current_number);
    sum takes sum + current_number;
    i takes i + 1;
  };
  write("sum is ");
  write(sum);
end
P1ERR
start
  int nr1;
  int nr2
  # semicolon missing
  int nr3;
  int maximum;
  string text;
  read (nr1);
  read (nr2);
  read (nr3);
  maximum takes nr1;
  if (nr2 greaterE maximum) #no greaterE relational expression exists
  {
    maximum takes nr2;
```

```
#closing bracket missing before elif
elif (nr3 greaterEq maximum)
{
    maximum takes nr3;
};

write ("max is ");
    write (maximum);
end
```