<Program> => <Prolog> <Define\_function> <Program\_body><Epilog> EOF

<Prolog> => <?php declare (strict\_types=1);

<Define\_function> => <Function\_header> <Command\_sequence>

<Define\_function> => eps

<Function\_header> => function <ID> (<List\_of\_parameters> ) : <Return\_type>

<ID> => ([ \_ a-zA-Z][ \_ a-z A-Z 0-9 ]\*)

<List\_of\_parameters> => <Parameter\_definition>, <List\_of\_parameters>

<List\_of\_parameters> => <Parameter\_definition>

<List\_of\_parameters> => eps

<Parameter\_definition> => <Parameter\_type> <Parameter\_ID>

<Parameter\_definition> => ? <Parameter\_type> <Parameter\_ID>

<Parameter\_type> => float

<Parameter\_type> => int

<Parameter\_type> => string

<Return\_type> => <Parameter\_type>

<Return\_type> => void

<Return\_type> => eps

<Parameter\_ID> => $ <ID>

<Command\_sequence> => <Command> ; <Command\_sequence>

<Command\_sequence> => eps

<Command> => <Parameter\_ID> = <Expression>

<Command> => <Expression>

<Expression> => EXPRESSION //zložené výrazy

<Expression> => <ID> (<Input\_parameters>)

<Command> => if (<Expression>) {<Command\_sequence>}

<Command> => if (<Expression>) {<Command\_sequence>} else {<Command\_sequence>}

<Command> => while (<Expression>) {<Command\_sequence>}

<Command> => <Parameter\_ID> = <ID> (<Input\_parameters>)

<Command> => <ID> (<Input\_parameters>)

<Command> => return <Expression>

<Input\_parameters> => <Term>

<Input\_parameters> => <Term> , <Input\_parameters>

<Input\_parameters> => eps

<Term> => <Parameter\_ID>

<Term> => STRING

<Term> => INT

<Term> => FLOAT

<Term> => NULL

<Epilog> => ?>

<Epilog> => eps