```
mirror_mod.mirror_object
   or object to mirror
           OGRAMMING
 LANGUAGES
  ob.select= 1
  er ob.select=1
          RECITATION
  ntext.scene ob
  Selected"
  ata.objects[one.name].se
 int("please select exactle
   OPERATOR CLASSES - Monika Dagar
            15<sup>th</sup> October 2020
   pes.Operator):
```

X mirror to the select ject.mirror_mirror_x"

Introduction to Standard ML

Installation

- You can use this website to download Standard ML.
- Please follow the instructions to download SML.
- Once installed, type sml in your terminal to use SML compiler.
- You can also write a file of your assignment by using .sml extension. After named SML source file, open the compiler and type this:
 - use "<file_name>.sml";

Basic Syntax

```
val <pat> = <exp>
fun f <pat> = <exp>
```

Example:

val
$$x = 3$$

val $y = x + 1$

fun fib
$$x = if x < 3 then 1$$

else fib $(x - 1) + fib (x - 2)$

Basic Expressions

```
(* Integers *)
~3 (*Negative 3*)
(* Reals *)
3.14
~3.2E3
(* Booleans *)
true
false
(* Strings *)
" This is a string "
```

Arithmetic expressions

```
3 + 4
3 + 4.0 (* WRONG *! SML does not support convertion *)
real 3 + 4.0 (* or 3.0 + 4.0 *)
3 <> 4 (* not equal, val it = true : bool *)
```

Control flow expressions

case compare(3, 4) of

1 => "Greater" | ~1 => "Less" | 0 => "Equal"

| _ => "Error input!";

Midterm Review

- Regular Expressions.
- Grammar.
- Scoping.
- Parameter Passing Techniques.
- Binding Type.
- Scheme.
- Lambda Calculus.