```
[1 of 1] Compiling Main              ( main.hs, main.o )
Linking main ...
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
(3+4)
Result: 7.0
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
(8-(5-2))
Result: 5.0
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
(10*2/5)
Result: 4.0
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
(2**3)
Result: 8.0
```

```
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
(4*(3+2)%7-1)
Result: 5.0
```

```
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
(2*(4+3-1)
Error: Invalid expression
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
(*5+2)
Error: Invalid expression
```

```
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
(4/0)
Error: Division by zero
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
(5(2+3))
Error: Invalid expression
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
7&3
Error: Invalid expression
```

```
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
((((3+4)-2)+(1))
Error: Invalid expression
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
((4*2)+(-))
Error: Invalid expression
Enter an arithmetic expression surrounded with parenthesis (or type 'quit' to exit):
((7*3)^2)
Error: Invalid expression
```