2023 年度 言語処理課題 3

課題レポート

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1 課題1

```
sentooooooon@Sentarodell:~/TMU/2/Language_analysis/waiig_code
Hello sentoooooooon! This is the Monkey programming language!
Feel free to type in commands
>> 3 + 5 * 10
(3 + (5 * 10))
```

図 1

図 2

```
sentoooooon@Sentarodell:~/TMU/2/Language_analysis/waiig_code_1
Hello sentooooooon! This is the Monkey programming language!
Feel free to type in commands
>> 3 + 5 * 10
((3 + 5) * 10)
>>
```

図 3

2 課題2

```
>> sentooooooon@Sentarodell:~/TMU/2/Language_analysis/waiig_
Hello sentooooooon! This is the Monkey programming language!
Feel free to type in commands
>> -add(1,2)
(-add(1,2))
```

図 4

```
sentoooooon@Sentarodell:~/TMU/2/Language_analysis/waiig_cod
Hello sentooooooon! This is the Monkey programming language!
Feel free to type in commands
>> -add(1,2)
(-add)(1, 2)
>>
```

図 5

3 課題3

図 6

```
p.prefixParseFns = make(map[token.TokenType]prefixParseFn)
p.registerPrefix(token.IDENT, p.parseIdentifier)
p.registerPrefix(token.ENT, p.parseIntegerLiteral)
p.registerPrefix(token.BANG, p.parsePrefixExpression)
p.registerPrefix(token.MINUS, p.parsePrefixExpression)
p.registerPrefix(token.TRUE, p.parseBoolean)
p.registerPrefix(token.FALSE, p.parseBoolean)
p.registerPrefix(token.LPAREN, p.parseGroupedExpression)
p.registerPrefix(token.F, p.parseIfExpression)
p.registerPrefix(token.F, p.parseIfExpression)
p.registerPrefix(token.FUNCTION, p.parseFunctionLiteral)
```

図 7

```
>> sentoooooon@Sentarodell:~/TMU/2/Language_analysis/waiig_
Hello sentooooooon! This is the Monkey programming language!
Feel free to type in commands
>> +3
(+3)
>>
```

図 8

4 課題4

```
sentooooooon@Sentarodell:-/TMU/2/Language_analysis/waiig_code
Hello sentooooooon! This is the Monkey programming language!
Feel free to type in commands
>> -5 + 10
(-(5 + 10))
```

図 9

Hello sentooooooon! This is the Monkey programming language! Feel free to type in commands >> -5 + 10 (-(5 + 10))

図 10