Практическая работа № 3

Задача № 1

Задача № 3

Задача № 2

```
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RTU_MIREA_bash&linux_lesson:
Demo dir
Lesson_1
                                    def parse_bnf(text):
 report_KuznetsovY_IKBO-02
 ■ task 4.sh
 ■ task 6.sh
 ■ task 7.sh
■ task 10.sh
                                    def generate_phrase(grammar, start):
Lesson_2
                                        seq = random.choice(grammar[start])
return ''.join([generate_phrase(grammar, name) for name in seq])
 utask_1.jsonnet

    task_2.dhall

 task_2_profram.py
 間 task 3.txt

₫ task_4.txt

LICENSE
  /home/yaroslav_admin/PycharmProjects/RTU_MIREA_bash&linux_lessons/venv/bin/python /home/yaroslav_admin/PycharmProjects/R
```

```
def parse_bnf(text):
    grammar = {}
    rules = [line.split('=') for line in text.strip().split('\n')]
    for name, body in rules:
        grammar[name.strip()] = [alt.split() for alt in body.split('|')]
    return grammar
 def generate_phrase(grammar, start):
    if start in grammar:
        seq = random.choice(grammar[start])
        return ''.join([generate_phrase(grammar, name) for name in seq])
    return str(start)
BNF = '''
 for i in range(10):
     print(generate_phrase(parse_bnf(BNF), 'E'))
```

Исходный код скриптов и программ можно скачать:

https://github.com/I-love-linux-12-31/RTU_MIREA_bash_and_linux_lessons/tree/master/Lesson_2