

שם התלמיד: אור יאנקו
עבודה להגשה קוד אשר מחשב תרגילים

code:

```
def calculateLine(line):
    abc = "abcdefghijklmnopqrstuvwxyz"
    res = ' '
    splt = []
    for ch in line:
        if ch in abc:
            return calculateIfInABC(line)
    if len(line) > 11:
        return eval(line)
    if line.__contains__('+'):
        splt = line.split('+')
        res = int(splt[0]) + int(splt[1])
    if line.__contains__('-'):
        splt = line.split('-')
        res = int(splt[0]) - int(splt[1])
    if line.__contains__('/'):
        splt = line.split('/')
        try:
            res = int(splt[0]) / int(splt[1])
        except:
            res = -1
    if line.__contains__('//'):
        splt = line.split('//')
        try:
            res = int(splt[0]) // int(splt[1])
        except:
            res = -1
    if line.__contains__('**'):
        splt = line.split '**')
        res = int(splt[0]) ** int(splt[1])
    if line.__contains__('|'):
        splt = line.split('|')
        res = int(splt[0]) | int(splt[1])
    if line.__contains__('&'):
        splt = line.split('&')
        res = int(splt[0]) & int(splt[1])
    if line.__contains__('^'):
        splt = line.split('^')
        res = int(splt[0]) ^ int(splt[1])
    if line.__contains__('%'):
        splt = line.split('%')
        res = int(splt[0]) % int(splt[1])
    return res
def calculateIfInABC(line):
    temp = ' '
    abc = "abcdefghijklmnopqrstuvwxyz"
    for ch in line:
        if ch in abc:
            temp += ch
    return temp
f = open(r'C:\Users\gilya\Documents\HW.txt', 'r')
```

```

content = f.read()
temp = ''
f.close()
f = open(r'C:\Users\gilya\Documents\HWanswers.txt', 'w')
line = ''
abc = "abcdefghijklmnopqrstuvwxyz"
has_var = False
for char in content:
    line += char
    if char == '\n':
        result = calculateLine(line)
        if(result!=-1):
            print(result)
            temp = line + "=" + str(result)
            f.write(temp)
            line = ''
        else:
            print('error')
            temp = line + "=" + 'error'
            f.write(temp)
            line = ''

f.close()

```

run:

C:\Users\gilya\PycharmProjects\pythonProject\venv\Scripts\python.exe
C:/Users/gilya/PycharmProjects/pythonProject/main.py Or Tal Eyal

```

2
6
aaabbbb
2
4
8
16
32
64
128
256
512
1024
65536
4294967296
18446744073709551616
340282366920938463463374607431768211456

```

```

error
0.0
0
a
999
1000
1

```

1
1
0
4105
5

Process finished with exit code 0