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## Лабораторная работа №3 по дисциплине "Разработка интернет приложений"

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## Base\_client.py

```
Client.py
import requests, json

from base_client import BaseClient

class Client(BaseClient):
    BASE_URL = 'https://api.vk.com/method/'
    user_name = ''
    user_id = ''
    payload = {}

    def __init__(self, user_name):
        self.user_name = user_name
        self.payload = {'v': '5.57', 'user_ids': self.user_name}
        self.user_id = self.get_id()

    def get_id(self):
        resp = self._get_data('users.get', self.payload)
        return resp['response'][0]['id']

    def __get_data(self, method, param):
        response = requests.get(self.generate_url(method), user = param)
        response = response.json()
        return self.response_handler(response)

    def response_handler(self, response):
        if 'error' not in response:
            return response
        else:
            raise NameError
```

```
return self.user id
     Client_friends.py
rom client import *
from datetime import datetime
class ClientFriends(Client):
   today = datetime.toordinal(datetime.now())
   age friends = {}
   def __init__(self, user_id):
   def get_friends(self):
        for i in range(len(resp['response']['items'])):
            if 'bdate' in resp['response']['items'][i]:
                if len(resp['response']['items'][i]['bdate']) >= 8:
                    bdate = datetime.strptime(resp['response']['items'][i]['bdate'],
                    age = int((self.today - bdate)//365.25)
                        self.age_friends[age] = <u>'#'</u>
                        self.age friends[age] += '#'
   def print friends(self):
       ages = self.get friends()
        for i in range(max(ages.keys())+1):
               print(i, ': ', ages.get(i))
     Main.py
```

```
from client import Client
from client_friends import ClientFriends

input_id = input('Brequire id: ')
user = Client(input_id)
user_friends = ClientFriends(user.execute())
user_friends.print_friends()
```

## Результат

def execute(self):

```
Введите id: 152667880
19 : ###
20 : ##
114 : #
```