一、

1. 0 1 2 3 4 5 6 7 8 9

3 7

2. 1 3 5

3. IndexError

Exit

二、1、 1: line.split(", ")

2: [i for i in range(n) if i%k==0]

2、 1: r"def [^\d].*?\("

2:

三、#6: dateStr = '/'.join(month, day, year)

#7: dateList = [] if not event in eventsDict else eventsDict[event]

四 1.

```
import re
with open('example-1.txt','r') as f:
    mi = -1
    ms = ""
    for i,s in enumerate(f.readlines):
        num_s = re.findall(r'\d*', s)
        for sub_s in num_s:
            if len(sub_s) > len(ms):
                ms = sub_s
                mi = i
print(mi," ",len(ms)," ",ms)
```

2.

```
n2 = str(bin(n))
m2 = str(bin(m))
b = n2 if n>m else m2
s = m2 if n>m else n2

s = "0"*(len(b) - ln(s)) + s
h = 0
i = 1
while i<len(b):
    if not s[i] == b[i]:
        h += 1
    i += 1
return h
```

3. 1)
```
def get_dzg(n):
    res = ""
    if not n>=10:
        raise ValueError("参数值不能小于整数10")
    s = str(n)
    for i in range(len(s)-1):
        a = abs(int(s[i]) - int(s[i+1]))
        if a<=3:
            res += "低"
        elif a<=6:
            res += "中"
        else:
            res += "高"
    return res
```

2)
```
def stat_dzg(k):
    min_k = 10**k
    dict_dzg = {}
    for m in range(min_k, min_k*10):
        s = get_dzg(m)
        if s not in dict_dzg:
            dict_dzg[s] = 0
        dict_dzg[s] += 1
    return dict_dzg
```

```
def stat_dzg-probability(k):
    dic = stat_dzg(k)
    num = 0
    for k in dic:
        if '低'*2 in k or '中'*2 in k or '高'*2 in k:
            num += dic[k]
    return num/(10**(k+1) - 10**k)
```