```python
list_of_words = ['az',
'a3748982z',
'a1z',
'a6778z',
'a789000z',
'a#$J%z',
'aAJDFSKLz',
'asjkdz',
'APPLEa12z555a786z']

regx = 'a[0-9]*z'

for word in list_of_words:
    print(re.search(regx,word))
```

```
<re.Match object; span=(0, 2), match='az'>
<re.Match object; span=(0, 9), match='a3748982z'>
<re.Match object; span=(0, 3), match='a1z'>
<re.Match object; span=(0, 6), match='a6778z'>
<re.Match object; span=(0, 8), match='a789000z'>
None
None
None
<re.Match object; span=(5, 9), match='a12z'>
```

'a [0-9]* z'

Contains a

0 or more Integers

Contain z

order should be followed.

```python
list_of_words = ['applelskdjflksjdfl','44apple33','mango22','44abc','12345%^&*#','apple448937489274338977','abc876','mango4444']

for word in list_of_words:
    print(word,'-->',re.search('[0-9]*',word))
```

```
applelskdjflksjdfl --> <re.Match object; span=(0, 0), match=''>
44apple33 --> <re.Match object; span=(0, 2), match='44'>
mango22 --> <re.Match object; span=(0, 0), match=''>
44abc --> <re.Match object; span=(0, 2), match='44'>
12345%^&*# --> <re.Match object; span=(0, 5), match='12345'>
apple448937489274338977 --> <re.Match object; span=(0, 0), match=''>
abc876 --> <re.Match object; span=(0, 0), match=''>
mango4444 --> <re.Match object; span=(0, 0), match=''>
```

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'[0-9]*'

↑ Integer appearing 0 or more no. of times.