



**Eg:**

```
1) import re
2) s=input("Enter pattern to check: ")
3) m=re.search(s,"abaaaba")
4) if m!= None:
5)     print("Match is available")
6)     print("First Occurrence of match with start index:",m.start(),"and end index:",m.end())
7) else:
8)     print("Match is not available")
```

**Output:**

```
D:\python_classes>py test.py
Enter pattern to check: aaa
Match is available
First Occurrence of match with start index: 2 and end index: 5
```

```
D:\python_classes>py test.py
Enter pattern to check: bbb
Match is not available
```

## **4. findall():**

To find all occurrences of the match.  
This function returns a list object which contains all occurrences.

**Eg:**

```
1) import re
2) l=re.findall("[0-9]","a7b9c5kz")
3) print(l)
```

**Output:** ['7', '9', '5']

## **5. finditer():**

Returns the iterator yielding a match object for each match.  
On each match object we can call start(), end() and group() functions.

**Eg:**

```
1) import re
2) itr=re.finditer("[a-z]","a7b9c5k8z")
3) for m in itr:
4)     print(m.start(),"...",m.end(),"...",m.group())
```