



**Eg:**

```
1) import re
2) matcher=re.finditer("x","a7b@k9z")
3) for match in matcher:
4)     print(match.start(),".....",match.group())
```

**x = [abc]**

0 ..... a  
2 ..... b

**x = [^abc]**

1 ..... 7  
3 ..... @  
4 ..... k  
5 ..... 9  
6 ..... z

**x = [a-z]**

0 ..... a  
2 ..... b  
4 ..... k  
6 ..... z

**x = [0-9]**

1 ..... 7  
5 ..... 9

**x = [a-zA-Z0-9]**

0 ..... a  
1 ..... 7  
2 ..... b  
4 ..... k  
5 ..... 9  
6 ..... z

**x = [^a-zA-Z0-9]**

3 ..... @

## **Pre defined Character classes:**

**\s** → Space character

**\S** → Any character except space character

**\d** → Any digit from 0 to 9

**\D** → Any character except digit

**\w** → Any word character [a-zA-Z0-9]

**\W** → Any character except word character (Special Characters)

**.** → Any character including special characters