

USN: 4MT21CS077

```
import java.util.*;
```

```
class obj
```

```
{
```

```
    static boolean special(char ch)
```

```
    {
```

```
        char[] arr=new char[]{'!', '@', '#', '%', '$', '^', '&', '*'};
```

```
        for (int i = 0; i < arr.length; i++) {
```

```
            if(arr[i]==ch) return true;
```

```
        }
```

```
        return false;
```

```
    }
```

```
    static int validation(String password)
```

```
    {
```

```
        if(password.length()<8) return 0;
```

```
        boolean up=false, lo=false, sp=false, dig=false;
```

```
        for(int i=0;i<password.length();i++)
```

```
        {
```

```
            if(password.charAt(i)>=65 && password.charAt(i)<=90) up=true;
```

```
            if(password.charAt(i)>=97 && password.charAt(i)<=122) lo=true;
```

```
            if(password.charAt(i)>=48 && password.charAt(i)<=57) dig=true;
```

```
            if(special(password.charAt(i))==true) sp=true;
```

```
        }
```

```
        if(up && lo && dig && sp) return 1;
```

```
        return 0;
```

```
    }
```

```
public static void main(String[] args) {  
    Scanner scan=new Scanner(System.in);  
    String password=scan.nextLine();  
    System.out.println("password is ");  
    if(validation(password)==1) System.out.println("Valid");  
    else System.out.println("Invalid");  
}  
}
```