

## **MINI PROJECT:**

### **create a Password Strength Indicator in Python:**

```
import re
```

```
def password_strength_indicator(password):
```

```
    length = len(password)
```

```
    uppercase = re.search(r'[A- Z]', password)
```

```
    lowercase = re.search(r'[a- z]', password)
```

```
    digit = re.search(r'¥d', password)
```

```
    special_char = re.search(r'¥W_]', password)
```

```
    if length > 8 and uppercase and lowercase and digit and  
    special_char:
```

```
        return 'Strong'
```

```
    elif length > 6 and uppercase and lowercase and digit:
```

```
        return 'Medium'
```

```
    else:
```

```
        return 'Weak'
```

```
password = input("Enter a password: ")  
  
strength = password_strength_indicator(password)  
  
print("Password Strength:", strength)
```