Q1. Write a program using the Regular Exception and create a function that accepts a string and searches it for a valid phone number.

In [ ]:
```
import re

def find_phone_number(text):
    pattern = r'\d{3}-\d{3}-\d{4}|\(\d{3}\)-\d{3}-\d{4}'
    matches = re.findall(pattern, text)

    if matches:
        return matches
    else:
        return "No valid phone number found"

input_text = input("Enter the Phone number: ")
print("The Phone number entered = ",input_text)
result = find_phone_number(input_text)
print("Found phone number:", result)
```

```
The Phone number entered =  858-878-8521
Found phone number: ['858-878-8521']
```

Q2. Write a function that employs regular expressions to ensure the password given to the function is strong.

In [ ]:
```
import re

def is_strong_password(password):
    pattern = r"^(?=.*[A-Z])(?=.*[a-z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-z\d@$!%*?&]{

    if re.match(pattern, password):
        return True
    else:
        return False

password = "Christ@123"
if is_strong_password(password):
    print("The password is strong.")
else:
    print("The password is not strong.")
```

```
The password is strong.
```