Pick one to choose from:

1) Define a function called **generate\_pasword** the generates a random password containing all the following characteristics:

- minimum 6 characters long

- upper case letter(s)

- lower case letter(s)

- special character(s) {!@#$%^&\*}

- number(s)

- any other characters are not allowed

2) Define a function called **encrypt\_password** that encrypts a password, so it is unreadable. This one takes some creativity. However, you wish to do it is fine by me. One way of doing this is by converting characters to ascii and creating algorithms based on that ascii code.

**Example:**

PassWord123 -> “j5059400Z4uTIAN785Mq5DJ7908”

C0der$ch0ol -> “80nkbB8440L99634MOO0K00g8476”

lk#Nc@n3r9X4 -> “2588754Fcv50ik4699875370u80P”

3) Define a function called **is\_valid\_password** that checks to see if a given password contains all the following characteristics:

- minimum 6 characters long

- upper case letter(s)

- lower case letter(s)

- special character(s) {!@#$%^&\*}

- number(s)

- any other characters are not allowed

**Example:**

is\_valid\_password(“Coder$c00L”) 🡪 True

is\_valid\_password(“Coder.$c00L”) 🡪 False

is\_valid\_password(“pass1”) 🡪 False

**Inputs:** password

**Outputs:** True

or

**Outputs:** False