PHASE 1 PROJECT

Golden Task

2. Random Password Generator

**import** string

**import** random

# Getting password length

length **=** int(input("Enter password length: "))

**print**('''Choose character set for password from these :

         1. Digits

         2. Letters

         3. Special characters

         4. Exit''')

characterList **=** ""

# Getting character set for password

**while**(True):

    choice **=** int(input("Pick a number "))

**if**(choice **==** 1):

        # Adding letters to possible characters

        characterList **+=** string.ascii\_letters

**elif**(choice **==** 2):

        # Adding digits to possible characters

        characterList **+=** string.digits

**elif**(choice **==** 3):

        # Adding special characters to possible

        # characters

        characterList **+=** string.punctuation

**elif**(choice **==** 4):

**break**

**else**:

**print**("Please pick a valid option!")

password **=** []

**for** i **in** range(length):

    # Picking a random character from our

    # character list

    randomchar **=** random.choice(characterList)

    # appending a random character to password

    password.append(randomchar)

# printing password as a string

print("The random password is " **+** "".join(password))