# FCS Assignment 1 - Solution

# Section 45 - Frederick

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# Question 2

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# ID

user\_id = input("Enter your ID: ")

user\_id = "0" + user\_id

print("The ID is:", user\_id)

# Name

user\_name = input("Enter your name: ").upper()

print("The name is:", user\_name)

# Date of Birth

user\_dob = input("Enter your date of birth: ")

for x in range(len(user\_dob)):

if user\_dob[x] == "-":

user\_dob = user\_dob[:x] + "/" + user\_dob[x+1:]

print("The date of birth is:", user\_dob)

# Address

user\_address = input("Enter your address: ").lower().strip()

print("The address is:", user\_address)

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# Question 3

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number = input("Enter a number: ")

counter = 0

for x in range(len(number)):

if number[x].isdigit():

# We use isdigit() to check if the character is a digit, in case the user enters a letter or a symbol

counter += 1

print("The number of digits in", number, "is:", counter)

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# Question 4

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# Solution in class notes

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# Question 5

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number = int(input("Enter a number for pattern: "))

for x in range(1, number+1):

# We start at 1 since multiplying by 0 will give us no stars, which is not what we want

print("\*"\*x)

for x in range(number-1, 0, -1):

print("\*"\*x)

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# Question 6

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number1 = int(input("Enter first number: "))

number2 = int(input("Enter second number: "))

while number1 > number2:

# To ensure that the first number is smaller than the second number

print("Invalid Input! The second number must be greater than the first number")

number2 = int(input("Enter second number again: "))

for x in range(number1, number2+1):

if x % 2 == 0:

# Checks if the number is even and prints it

print(x)