**Data Programming Section 002, Fall 2021**

**Exercise 3**

*1. Answer:*

*number = 30*

*a:*

*30 is even.*

*30 is odd.*

*b:*

*30 is even*

*number = 35*

*a:*

*35 is odd*

*b:*

*35 is odd*

*2. Answer: D*

**3.** *Answers:*

*Blank 1 - sum = first + second*

*Blank 2 - sum == 5*

*Blank 3 - sum < 5*

4. Answer:

year = int(input(“Enter year”))

month = input(“Enter first 3 letters of the month with the first letter in uppercase.”)

if month == "Jan" or month == "Mar" or month == "May" \

or month == "Jul" or month == "Aug" or month == "Oct" or month == "Dec":

print(month, year, "has 31 days")

elif month == "Apr" or month == "Jun" or month == "Sep" or month == "Nov":

print(month, year, “has 30 days”)

elif month == “Feb”:

print(month, year, “ has 28 days”)

else:

print(month, "is not a correct month name ")

**5.** *Answer: We’ll use the ‘in’ keyword for this.*

*Code:*

*string1 = input(“Enter string 1”)*

*string2 = input(“Enter string 2”)*

*if string2 in string1:*

*print(“Found”)*

*else:*

*print(“Not found”)*