Question 1

Write a function to print "hello_USERNAME!" USERNAME is the input of the function. The first line of the code has been defined as below. def hello_name(user_name):

```
def hello_name(user_name):
    x = 'Hello_' + user_name  +'!'
    print(x)

hello_name('Kyle')
```

Question 2

Write a python function, first_odds that prints the odd numbers from 1-100 and returns nothing def first_odds():

```
def first_odds():
    oddlist = []
    for i in range(0, 101):
        if i % 2 != 0:
            oddlist.append(i)
    print(oddlist)
    return None

first_odds()
```

Question 3

Please write a Python function, max_num_in_list to return the max number of a given list. The first line of the code has been defined as below. def max_num_in_list(a_list):

```
num_list = [1, 4, 5, 8, 3,]

def max_num_in_a_list(a_list):
    a_list.sort()
    return a_list[-1]

x = max_num_in_a_list(num_list)
print(x)
```

Question 4

Write a function to return if the given year is a leap year. A leap year is divisible by 4, but not divisible by 100, unless it is also divisible by 400. The return should be boolean Type (true/false). def is_leap_year(a_year)

```
year = 2100

def is_leap_year(a_year):
    if a_year % 400 == 0:
        return True
    elif a_year % 100 == 0:
        return False
    elif a_year % 4 == 0:
        return True
    else:
        return False

x = is_leap_year(year)
print(x)
```

Question 5

Write a function to check to see if all numbers in the list are consecutive numbers. For example, [2,3,4,5,6,7] are consecutive numbers, but [1,2,4,5] are not consecutive numbers. The return should be boolean Type. def is_consecutive(a_list):

```
list1 = [2, 3, 5, 6, 7]

def is_consecutive(a_list):
    return sorted(a_list) == list(range(min(a_list), max(a_list)+1))

x = is_consecutive(list1)
print(x)
```