**Section-2:**

**Question-1:**

Following function is written without logical operators. Your goal is to modify the nested if statements by using AND/OR. In the end, your code would have reduced if statements. Please don't add additional if statements, just reduce these if statements.

Rewrite the following function in your .py file using logical operators and invoke it:

**def modifyIf(temp):**

       if temp >= 0:

            if temp < 32:

                      print("It is freezing cold")

      if temp > 32:

          if temp < 40:

                     print("It is mildly cold")

     if temp < 0:

          print("It is either too hot or too cold")

     elif temp > 40:

          print("It is either too hot or too cold")

**Invoke modifyIf as follows:**

modifyIf (10)

modifyIf (33)

modifyIf (-1)

modifyIf (45)

**Question-2:**

For this question, you are given a base code. Your job is to identify which member function it is. It could be either push, pop, insert or remove.

Once you have correctly identified it, your job is to write the function header, identify correct passed parameters, and return statement (if it returns anything).  In short, you have to write the name of the function, its passed parameters, and return statement if that function needs a return statement.

**Code:**

def ():  
    new = []  
    i = 0  
    while list1[i] != element:  
        new = new + [list1[i]]  
        i = i + 1  
    for x in range(i+1, len(list1)):  
        new = new + [list1[x]]  
    return new

**Section-6:**

**Question-1:**

Following function is written without logical operators. Your goal is to modify the nested if statements by using AND/OR. In the end, your code would have reduced if statements. Please don't add additional if statements, just reduce these if statements.

Rewrite the following function in your .py file using logical operators and invoke it:

**def modifyIf(temp):**

       if temp >= 0:

            if temp < 32:

                      print("It is freezing cold")

      if temp > 32:

          if temp < 40:

                     print("It is mildly cold")

     if temp < 0:

          print("It is either too hot or too cold")

     elif temp > 40:

          print("It is either too hot or too cold")

**Invoke modifyIf as follows:**

modifyIf (10)

modifyIf (33)

modifyIf (-1)

modifyIf (45)

**Question-2:**

For this question, you are given a base code. Your job is to identify which member function it is. It could be either push, pop, insert or remove.

Once you have correctly identified it, your job is to write the function header, identify correct passed parameters, and return statement (if it returns anything).  In short, you have to write the name of the function, its passed parameters, and return statement if that function needs a return statement.

**Code:**

def ():  
    new = []  
    i = 0  
    while list1[i] != element:  
        new = new + [list1[i]]  
        i = i + 1  
    for x in range(i+1, len(list1)):  
        new = new + [list1[x]]  
    return new