In [13]:
```
#The parameter weekday is True if it is a weekday, and the parameter vacatio
#sleep_in(False, False) → True
#sleep_in(True, False) → False
#sleep_in(False, True) → True

def sleep_in(weekday,vacation):
  if not  weekday or vacation:
    return True
  else:
    return False

sleep_in(True,False)
```

Out[13]: False

In [5]:
```
#Given an int n, return the absolute difference between n and 21, except ret


#diff21(19) → 2
#diff21(10) → 11
#diff21(21) → 0

def diff21(n):
  if n<=21:
    return 21-n
  else:
    return abs(21-n) * 2
#diff21(19)
diff21(21)
```

Out[5]: 0

In [12]:
```
#Given an int n, return True if it is within 10 of 100 or 200. Note: abs(num


#near_hundred(93) → True
#near_hundred(90) → True
#near_hundred(89) → False

def near_hundred(n):
  if((n>=90 and n<=110) or (n>=190 and n<=210)):
    return True
  else:
    return False
near_hundred(86)
```

Out[12]: False

In [16]:
```
def missing_char(str, n):
  f=str[:n]
  #b=str[n+1:]
  #return f+b
missing_char("srikanya",0)
```

In [28]:
```
str="srikanya"
f=str[6+1:]
f
```

Out[28]: 'a'

In [30]:
```
#We have two monkeys, a and b, and the parameters a_smile and b_smile indica


#monkey_trouble(True, True) → True
#monkey_trouble(False, False) → True
#monkey_trouble(True, False) → False

def monkey_trouble(a_smile, b_smile):
  if a_smile and b_smile:
    return True
  elif not a_smile and not b_smile:
    return True
  else:
    return False

monkey_trouble(True,True)

```

Out[30]: True

In [32]:
```
#We have a loud talking parrot. The "hour" parameter is the current hour tim


#parrot_trouble(True, 6) → True
#parrot_trouble(True, 7) → False
#parrot_trouble(False, 6) → False

def parrot_trouble(talking, hour):
  return (talking and (hour < 7 or hour > 20))
parrot_trouble(True,6)

```

Out[32]: True

In [1]:
```
#Given 2 ints, a and b, return True if one if them is 10 or if their sum is


#makes10(9, 10) → True
#makes10(9, 9) → False
#makes10(1, 9) → True

def makes10(a, b):

  if(a == 10 or b == 10 or a+b == 10):

    return True
  else:
    return False

makes10(9,10)

```

Out[1]:
```
True
```

In [3]:
```

#Given two int values, return their sum. Unless the two values are the same,


#sum_double(1, 2) → 3
#sum_double(3, 2) → 5
#sum_double(2, 2) → 8

def sum_double(a, b):
  sum=a+b
  if(a==b):
    sum=sum*2
  return sum
sum_double(1,2)
sum_double(3,2)
```

Out[3]:
```
5
```

In [16]:
```
#Given a string, return a new string where "not " has been added to the fron


#not_string('candy') → 'not candy'
#not_string('x') → 'not x'
#not_string('not bad') → 'not bad'


def not_string(str):
  if len(str) >= 3 and str[:3] == "not":
    return str
  return "not " + str
not_string('x')

```

Out[16]:
```
'not x'
```

In [ ]:
```
1
```

In [ ]:
```
1
```