

1. `assert len(marks)!=0, "Empty list"`
2. `[[5,6],[3,4],[1,2]]`
3. `matrix = []`

```

for i in range(4):
    # Append an empty sublist inside the list
    matrix.append([])
    for j in range(4):
        matrix[i].append(j)

return matrix

```

4. Returns floor of log n to the base 2 provided $n \geq 1$
- 5.

```

def findsum(lst):
    """Returns: sum of elements of lst
    Parameter lst: the list whose elements are to be added
    Precondition: lst must be a list of integers"""

    l = len(lst)

    if l==0:
        return 0

    res = findsum(lst[1:]) # the result of recursive call is being stored since if the call
                          # is deferred to try-except block, two calls would have to
                          # be made, which would be redundant

    try:
        return lst[0]+res
    except:
        return 0+res

```

6. Error is on line 10 where a call to fun2 is made from within fun1.
 Fix: Add the following lines to fun2
`assert type(par2)==float, "Parameter is not a float"`