| S.No: 24 | Exp. Name: ***List of Odd squares*** | Date:2024-08-27 |
|---|---|---|



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## Aim:

The given Python program defines two functions **odd_checker** and **square_list**, both functions take the list as the argument

**square_list:** This function squares each element of the list that has passed and returns the list of squares.
**odd_checker:** This function filters out the odd numbers from the list that has passed and returns a list of odd numbers.

Your task is to write the required logic in the function's body in accordance with the functionalities given.

**Input format:**

- The input is the list of integers separated by comma(,)

**Output format:**

- The output is the list of integers that represents a list of squared odd numbers from the input list.

**Note:** For simplicity, the code for reading input & printing output has already been given. You just need to fill the code in the body of the functions given.

## Source Code:

func_comp.py

```
def odd_checker(lst):

# write your code...
   list=[]
   for i in lst:
      if i%2!=0:
         list.append(i)
   return list

def square_list(lst):

# write your code...
   num=[]
   for i in lst:
      r=i*i
      num.append(r)
   return num
input_lst = list(map(int,input().split(",")))
print(odd_checker(square_list(input_lst)))
```

Execution Results - All test cases have succeeded!

| Test Case - 1 |
|---|
| User Output |
| 1,2,3,4,5,6 |
| [1, 9, 25] |

| Test Case - 2 |
| --- |
| User Output |
| -6,-9,-10,-11 |
| [81, 121] |