

Assignment 7

NOTE: If you want to take the user input as list of integers,

then you can write this line as :

```
ls=list(map(int,input()).split())) ,
```

Do the following hakerrank questions:

(You can find the hackerrank question on the given links)

-> Python if-else: <https://www.hackerrank.com/challenges/py-if-else/problem>

-> Loops: <https://www.hackerrank.com/challenges/python-loops/problem>

-> Find the Runner-Up Score! <https://www.hackerrank.com/challenges/find-second-maximum-number-in-a-list/problem>

(In this question, use the syntax used in the note above for taking user input as list of integers with space separated)

-> Triangle quest: <https://www.hackerrank.com/challenges/python-quest-1/problem>

Q1) What will be the output of the following Python code?

```
print('abcdefcdghcd'.split('cd', 2))
```

- a) ['ab', 'ef', 'ghcd']
- b) ['ab', 'efcdghcd']
- c) ['abcdef', 'ghcd']
- d) ['ab', 'cdef', 'cdgh', 'cd']

Q2) Which is the correct option:

```
i = 0
```

```
while i < 3:
```

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```
print(i)
```

```
i += 1
```

```
else:
```

```
print(0)
```

a) 0 1 2 3 0

b) 0 1 2 0

c) 0 1 2

d) error

Q3) Write the python code to find the following output:

```
*****
```

```
****
```

```
***
```

```
**
```

```
*
```

Q4) Write the python code for following task:

Task: Find the no. is even or odd and

show the result as shown in sample output format.

Input: Take the user input as integer as N , no. of test cases.

Take the user input for check the no is even or odd

Output:

print even no. if the user input is even no otherwise print odd no..

Output Format:

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4

3

odd no.

5

odd no.

-1

odd no.

0

even no.

Q5) Write the python code to find the length of a no taken as user input,
without using any len function .(Hint: use while loop)

input sample: 7546

Output: 4

Q6) Write the python code for following output:

5 4 3 2 1

4 3 2 1

3 2 1

2 1

1