

## **Week 2:**

### **Task 5:**

Number of rounds for mark percentage

*Input:*

percentage of marks

example:

[60,73,78,86,79,92]

*output:*

no of rounds for each percentage of marks

example:

['NA','3R','3R','1R','3R','1R']

*rules:*

1.       $\leq 70 \rightarrow$  not eligible
2.      between 70 to 85  $\rightarrow$  3 rounds
3.      85 and above  $\rightarrow$  1 round

### **Program (interview\_round\_elg.py):**

```
#create a class for checking interview num_of_rounds
```

```
class Rounds:
```

```
    #initialise the constructor
```

```
    def __init__(self,message):
```

```
        self.mark=[]
```

```
        print(message)
```

```
    #get marks from the user
```

```
    def set_mark(self):
```

```
n=int(input('enter how many marks you want to enter:'))  
for i in range(n):  
    self.mark.append(float(input('enter the mark percentage: ')))  
  
#check which round the user belongs  
def num_of_rounds(self):  
    rounds=[]  
    for i in (self.mark):  
        if i>100 or i<0:  
            rounds.append('invalid mark percentage')  
        elif i<=70:  
            rounds.append('NA')  
        elif i>70 and i<85:  
            rounds.append('3R')  
        else:  
            rounds.append('1R')  
    return rounds  
  
#create an object  
print('*****student interview round eligibility checking*****')  
round_obj=Rounds("let's check how many rounds you have")  
round_obj.set_mark()  
final_rounds=round_obj.num_of_rounds()  
print(final_rounds)  
print('completed')
```

## Output:

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python Debug Console + ×

```
● PS D:\placement_practices\python_training> & 'C:\Users\Nivetha B\AppData\Local\Python\pythoncore-3.14-64\python.exe' 'c:\Users\Nivetha B\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\debugpy\launcher' '61916' '--' 'D:\placement_practices\python_training\interview_round_elig.py'  
*****student interview round eligibility checking*****  
let's check how many rounds you have  
enter how many marks you want to enter:4  
enter the mark percentage: 105  
enter the mark percentage: 85  
enter the mark percentage: 71  
enter the mark percentage: 45  
['invalid mark percentage', '1R', '3R', 'NA']  
completed  
○ PS D:\placement_practices\python_training> 
```