

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\Wivetha B\AppData\Local\Python\pythoncore-3.14-64\python.exe'
'c:\Users\Nivetha B\.vscode\extensions\ms-python.python.debugpy-2025.18.0-win32-x64\bundle\libs\debugpy\launcher' '61916'
'--' 'D:\placement_practices\python_training\interview_round_elg.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>

```