In [1]:

```
def myfunction(matrix):
    global answer

    def solution(i, j, x1 = 0):
        if matrix[i][j] == 1:
            x1 += 1
            matrix[i][j] = 0
            if i+1 < len(matrix):
                x1 = solution(i + 1, j, x1)
            if j+1 < len(matrix[i]):
                x1 = solution(i, j + 1, x1)
            if i-1 >= 0:
                x1 = solution(i - 1, j, x1)
            if j-1 >= 0:
                x1 = solution(i, j - 1, x1)
        return x1

    for i in range(0,len(matrix)):
        for j in range(0,len(matrix[i])):
            if matrix[i][j] == 1:
                answer.append(solution(i, j))


User_Matrix=[
    [1,0,0,1,0],
    [1,0,1,0,0],
    [0,0,1,0,1],
    [1,0,1,0,1],
    [1,0,1,1,0],
]
answer = []
val = []
myfunction(User_Matrix)
print(answer)
y = answer.__len__()
z = y-1
print("Guess the size of River")
for x in range(y):
    val.append(int(input("Please enter the value for the entry:")))
Counter = 0
for i in range(0,y):
    if (val[i] == answer[i]):
        Counter = Counter + 1;
if (Counter == y):
    print("You are the winner")
elif ((Counter/y) == 0.6):
    print("You got second position")
else:
    print("Invest more money on Almonds then comeback")
```

```
[2, 1, 5, 2, 2]
Guess the size of River
Please enter the value for the entry:2
Please enter the value for the entry:1
Please enter the value for the entry:5
Please enter the value for the entry:2
Please enter the value for the entry:2
You are the winner
```

In [ ]:

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