

13.08.24

## HOME TASK 2D ARRAY

### QUESTION 1

```
n=int(input("Enter the number : "))
sales_figure=0
for i in range(n):
    L=list(map(int,input().split()))
    sales_figure+=sum(L)
print("Total Sales Figure : ",total)
```

### QUESTION 2

```
n=int(input("Enter the number : "))
scores=[]
for x in range(n):
    L=list(map(int,input().split()))
    scores.append(L)
num=int(input("Enter the Score to be found : "))
f=False
for i in range(n):
    for j in range(n):
        if scores[i][j]==num:
            print(f"Found at ({i},{j})")
            f=True
            break
if not f:
    print("Not found")
```

### QUESTION 3

```
n=int(input("Enter the number : "))
matrix=[]
for i in range(n):
    L=list(map(int,input().split()))
    matrix.append(L)
print("Original matrix : ")
for i in range(n):
    for j in range(n):
        print(matrix[i][j],end=" ")
    print()
print("Transpose of the matrix : ")
for i in range(n):
```

```
for j in range(n):
    print(matrix[j][i],end=" ")
print()
```

#### QUESTION 4

```
n=int(input("Enter the number : "))
seating=[]
for i in range(n):
    L=list(map(int,input().split()))
    seating.append(L)
print("Theater seating chart ")
for i in seating:
    for j in L:
        if j==0:
            print('O',end=" ")
        else:
            print('X',end=" ")
    print()
```