NumPy Task 1:

Task:

Create a 6×6 NumPy array with values from 1 to 36.

Then, do the following:

- Replace all even numbers with 0
- Calculate the sum of each row
- Return the row index with the maximum sum

NumPy Task 2:

Task:

Generate a 4×5 array with random integers from 10 to 99.

For each row:

- Sort the row in **descending order**
- Then extract and print the **2nd largest element** from each row

Pandas Task 1:

```
Task:
```

```
Create the following DataFrame:

data = {
    'Department': ['HR', 'IT', 'HR', 'Finance', 'IT', 'Finance'],
    'Employee': ['Alice', 'Bob', 'Charlie', 'David', 'Eve', 'Frank'],
    'Salary': [50000, 60000, 52000, 58000, 61000, 57000]
}
```

Now perform the following:

- Group by Department and find the average salary
- Return the name(s) of the employee(s) who earn more than their department average

Pandas Task 2:

```
Task:
```

```
Create a DataFrame:
data = {
    'Student': ['Alex', 'Beth', 'Cody', 'Dana'],
    'Math': [80, 45, 67, 90],
    'Science': [75, 88, 45, 95]
}
```

Now:

- Add a column "Passed" which is **True** only if both Math and Science scores are >= **60**
- Then filter the DataFrame to show only students who failed at least one subject but still scored above 50 in total