

#1

```
grades=[[85,78,92],[88,74,95],[91,82,89],[76,85,90]]
```

```
print("Average grades for each student: ")
```

```
for s in grades:
```

```
    average=sum(s)/len(s)
```

```
    print(f"Student {grades.index(s)+1}:{average:.2f}")
```

```
print("Highest grade in each subject: ")
```

```
subjects=len(grades[0])
```

```
for i in range(subjects):
```

```
    high_grade=max(grades[j][i] for j in range(len(grades)))
```

```
    if i==0:
```

```
        print(f"Maths: {high_grade}")
```

```
    elif i==1:
```

```
        print(f"Science: {high_grade}")
```

```
    else:
```

```
        print(f"English: {high_grade}")
```

```
total_sum=0
```

```
total_grades=0
```

```
for students in grades:
```

```
    total_sum+=sum(students)
```

```
    total_grades+=len(students)
```

```
class_average=total_sum/total_grades
```

```
print(f"Overall class average: {class_average:.2f}")
```

#2

```
r,c=map(int,input().split())
```

```
products=[]
```

```
for i in range(c):
```

```
    row=list(map(int,input().split()))
```

```
    products.append(row)
total=[sum(rows)for rows in products]
print("Total quantities of each products: ")

for i,q in enumerate(total):
    print(f"Product{i+1}:{q}")
product=int(input("Product to check: "))

max_quantity=max(products[product-1])
sec=products[product-1].index(max_quantity)+1
print(f"Section with highest quantity for product{product}:Section{chr(64+sec)}")

lowest=min(total)
lowest_index=total.index(lowest)+1
print(f"Product with the lowest total quantity: Product {lowest_index}")
```

