

**1. Write a program that will input students theory and practical marks and print out whether they pass in theory and practical. In the end, print out whether the student passed overall.**

```
# Passing marks:
# 1. Theory: 50/100
# 2. Practical: 65/100
# 3. Overall: 140/200
TheoryMarks=int(input('Enter Theory Marks: '))
PracticalMarks=int(input('Enter Practical Marks: '))
# TEST CASE:
# Input:
# TheoryMarks=60
# PracticalMarks=80
# Output:
# Passed in Theory
# Passed in Practical
# Passed Overall

# your code here
```

**2. Write a program to find result of 5 students.**

```
# Passing marks:50
# your code here
```

**3. Write a program to find the time taken by linear search and binary search to find 99999 in a list of 1-100000 numbers in ascending order?**

**4. Write a program to print diamond pattern.**

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```

**5. Write a program to find greatest common divisor of two numbers.**

**6. Write a program to print fibonacci series.**