

LAB Assignment - One

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- Q. 1 - Develop script “generic_maximum.py” to find maximum of any two numbers. The numbers are entered interactively by the user.
- Q. 2 - Develop script “generic_minimum.py” to find minimum of any two numbers. The numbers are entered interactively by the user.
- Q. 3 - Develop script “guess_secrete.py” - similar to following screen. It asks to guess secrete word.

```
$ ./guess_secrete.py
Enter your guess:Hello
Nope - you are wrong, try again
$ ./guess_secrete.py
Enter your guess:secrete
Your guess is right
```

- Q. 4 Correct “lab_one.py” script from shared Repository.

LAB Assignment (Cont ...)

PE ratio is one of the most widely used tools for **stock** market

It is calculated by dividing the current market price of the **stock** by its earning per share (EPS).

EPS is the portion of a company's profit allocated to each outstanding share of common stock. That is,

$$\text{EPS} = \text{net income} \div \text{average outstanding common shares}$$

A company had ₹ 40 million of net income, paid out ₹ 2 million in preferred dividends and had on average 10 million outstanding shares for that year. What is its EPS? The stock is traded at ₹ 38.00, what's the PE Ratio?

Q. 5 Develop a script “calculate_pe.py” to take input “net income”, “preferred dividend”, “average common stocks” and “stock price”. It should calculate and print P/E

Thank you

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