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Class: Software Engineer SECTION: A
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Lecture 2-3

Q-12 What are the main steps you should consider when writing the coding?

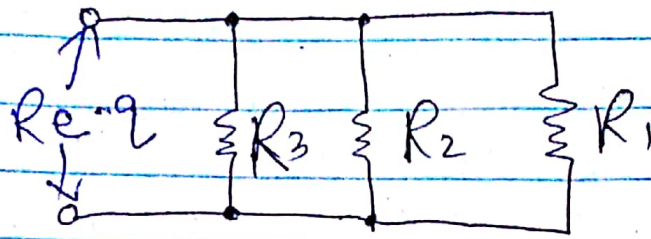
Ans The general steps for writing a problem include the following

- 1- Understand the problem you are trying to solve
- 2- Design a solution
- 3- Draw a flow chart.
- 4- Write a pseudo code.
- 5- Write code
- 6- Test and debug.
- 7- Test with real-world users
- 8- Release program.

Q-2 Can you write an algorithm for finding the resistance of 3 resistors connected in parallel circuit?

Ans Resistors are said to be connected together in parallel when both of their terminals are respectively connected to each terminal of the other resistor or resistors. Suppose there are three resistors connected in parallel (R_1), (R_2) and (R_3). Their equivalent resistance (R_{eq}) can be given by the formula:

$$\frac{1}{R_{eq}} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$$



Q-1 Write few applications of using python programming.

Ans Python is interpreted object-oriented language. It is also referred to as a high-level programming language. There are other applications for which python is used that are robotics, web-scraping, scripting, artificial intelligence, data analysis, machine learning, face detection, color detection, 3D CAD applications, console-based applications and many others.

Web And Internet Development: Python offers many choices for web development.

Frame Works such as Django and Pyramid.

Python's Standard library supports many internet protocols.

HTML and XML.

JSON

E-mail ~~Pro~~ Processing

Q-4 How ~~was~~ many ways you have learned to code python?

Ans

~~Pyth~~ Python is an important programming language that any developer should know. Many programmers use this language to build websites, create learning algorithms and perform other important tasks.

Following are the applications and tips we can do with python.

1- ~~Gre~~ If you're interested in UX and UI design, then take a look at this tutorial. You'll be working with the tkinter ~~mod~~ module, the standard graphical user interface package that comes traditionally bundled with python.

2- If you're interested in data analysis then a ~~tr~~ twitter data mining project is a great way to use your python skills to answer the questions about the world around you.

3- When you're sure you're ready to dive in, check out our stock of data science tutorials, where you'll learn how to analyze finger prints, create visualizations and recognize speech and faces, all in python.