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Course:FA

1. What are the errors that arises while implementing the algorithm?
➢   Following are the errors that arises while implementing the algorithm:

Syntactic errors: This error is defined as that error in which the syntax of the sequence of characters or tokens that is imtemded to be written in algorithm.

An algorithm will not run until the syntax errors are not corrected.

For eg: while(i=0;i<5;i++)

            {

                j +=I;

            }

Semantic errors: semantic error is also known as the logic error in the algorithm that causes it to operate incorrectly.It produces undesired output   or other behavior although it is not immediately identified and corrected.

   For eg;

       n=0; …;n=6;…;

 for(i=n;i|=5;i++)

 {

     System.out.println(i);

 }

2.What is API?why it is important in effective programming?Explain the implementation procedure of Api in programming?

 > API stands for Application program interface which defines interactions between multiple software intermediaries.It defines the kinds of calls or requests that can be made how to make them the data format.

>Importance of API

1.Help build brand loyality

2.Increase interest in companys product

3.Provide useful tools to consumers

4.Convey company messaging

> following are the steps in implementing API procedure:

1.Defining the API type.

2.Defining the API'S domain semantics.

3.Creating the API definition with its main resources.

4.Trying the API mock.

5.Defining the MSON Git hub.

6.Pushing the API blueprint to Github.

7.Publishing the API in oracle APPI platform cs