PEGA INTERVIEW QUESTIONS:

Java:

1. Public class a

{

Static int x = 1;

Int y = 2 ;

}

class b

{

// write code to access x and y //variables in class a with out //creating instance of class a

}

2.Different oops concepts with real life examples?

3.Why do you need both class and interface?

4.What is string immutability?

5. Difference between arraylist and vector?

6. Implementation of arraylist without using collection framework?

7. Differences between interface and abstract class

8. what is method Overloading and Overriding ,inheritance

9.What is Static keyword

10.What are Access specifiers?

11.What is a thread? How can you create a thread?

12. What is JVM,JIT Compiler

13. .What is semaphore and where is it implemented in java?

14 .What is meant by serialization

15. Collection framework hierarchy and topics

16. .Hash map implementation.

17. How is multiple inheritance achieved in java ?

18. What are the rules to keep in mind during method overriding like return types, method signatures. 19.what happens when we override static methods,with example

20. What is the reason multiple inheritance cannot be implemented in java, explain the reason with example

21. What is encapsulation?

22. Difference between Static keyword in C and Java.

23. Writing our own exception in java

24. Autoboxing in java

25.What are wrapper classes

26. Write a program to search for an element in an array using java(optimize it using only single condition)

27. Difference between String s="abc" and String s1=new String("abc"); why two notations?

PEGA:

1.What are Pega rules,

2. What are Declare expressions,

3. What are Activities in Pega,

4 What are .Data pages and data tables,

5. What are the Concepts of prpc which are there in java

6. What is data transform ?

7. What does tracer do?

8.Scenario:When there are two dropdowns and you want display the dropdown items in second based on the one you selected in first dropdown ,how do you implement?

9. What are clipboard pages?

10.Explain when rule

11. What is pega? Features of pega? What do u like about pega?

12. What is section? Which tag in html is used to represent section?

13. What is Data propagation ?

14. What is Case management ?

15. What are Guardrails ?

16. What is SLA?

17. What are Automatic business policies ?

18. What is Layout ?

19. What is Harness?

20.. What is Blob and exposed columns in a table ?

21. What is Report Definition?

22. Explain data modeling concepts from creating data class and data page and also integrating external database?

23. Explain where a property should be placed in order to access by any application?

24. What are UI rules in pega?

25. Relate all the data types of pega to java?

26. Difference b/w service n connector with exercise examples in pega.

27. .Difference b/w forward chaining and backward chaining

28. Explain about flow shapes in pega

29. Explain about assignment shape .and what can be called from there?

30. What can be called from flow action?

31. Explain types of inheritance in pega ?

32.What is a ruleset?

33. What is ,DCO(direct capture of requirements)

34. What is Rule resolution?

35. Is connector a shape?

36. What is if rule?

37. What is difference between edit rule and edit validate rule?

38. What is data base mapping tool wizard?

39. What is data element?

40. What did you learn out of pega7 tool ?

41. Can when rule be applied on decision tree.

42. What are access groups?

43. Why is the data layer separated ?

44. Similarities and Differences between Pega and Java

45. Differences between Bpm and case management?

46. What is Sub process?

47. By default what rules are created when casetypes are created?

48. Number of connectors out of assignment?

49. What are Landing pages?

50. What is Database class mapping tool?

51. What are data pages refresh strategies?

52. Questions based on designer studio Header ?

53. .Can we deploy a PRPC application on other like Tomcat and use it ?

54. What kind of applications can we build using Pega platform?

PUZZLES:

1. 1. If FATE = 25 then INDIA = ? , if fate=16 then what is india?

2. There are 8 coins and 7 coins are of same weight and one defect coin is more weight. minimum no. of iterations required to find the defect coin

3. 2 red hats, 3 green hats puzzle problem

4.Given 2 candles which burn up in 7min and 11 min. How do you calculate 15mins?

5. How many 9's are there in 1 to 100?

6. Two jugs one with 5lt, 3lt size. Try to measure 1 to 5lt?

7. 100 coins with 90 heads up and 10 tails down separate them into 2 stacks with same number of tails.

8.Logic to automatically operate a lift by detecting the user.

9. Without any knowledge you drank a poison and thriving for antidote in the forest, then you came to know that antidote is in a cave guarded by 2 people with each of them carrying a bottle, in those 2 one is poison and other is antidote. In these 2 guards, one always speaks truth and other speaks lie. How will you find out which is antidote in 5 min?

10. You are given 2 paints Black and white. There is a disk rotating and a sensor to sense the colour in each sector of the disk and print them on a screen, How will you paint the disk in order to find the direction in which disk is rotating from the output on screen?

11. You are standing at the centre of a square field. fire catches at one side of the field and began growing towards u with the direction of wind flowing. How will you survive if the speed at which fire catches is more than twice that of yours.

12. There are 2 banks A and B with river flowing in between, boats start either of the banks at sharp 8.00 AM. they both meet a point which is at 700m to nearest bank. after reaching the other bank they start returning back after 1 hr and in return, they again met a point which is at 400m to nearest bank. Find the width of the river?

13. puzzle 100 floors n 2 eggs

14. If 2\*3=12,3\*4=20 then 4\*5=?

15. Given 2 jars one of 3 lit capacity and other of 5 lit capacity with no markings. Without out help of any markings fill the 5 lit jar up to 4 lit.

16. Here are 7 balls , in which there is a ball which has less weight, in how many steps can you find the lesser weight ball given a weight machine

17. There are 100 coins lying on a table out of which 90 are heads and 10 are tails. You need to divide them into 2 stacks such that each has equal number of tails.

Web programming:

1. . Write a simple program using html tags, css properties, and Javascript? Explain each part of the html program.? Compare html code with pega tool
2. What is Iframe in html?
3. Inline internal and external css styling differences
4. Javascript Validation using regular expressions
5. HTML Form Fields ,CSS Selectors
6. Write JDBC program

7. What is php?

8. What is Connection Polling.

9. What are Servlets?

10. HTML5 vs HTML,CSS VS CCS3

11. JavaScript code for form email validation?

12. HtML TAGS-div ,nav, p, form elements explain with example

13.Css properties-float:left,clear,right , padding,margin

explain with example,

14.Explain the tag-<style>,<script>,<link>

15.Can you place <link> and <script> anywhere in the html file.

16.How can you place html elements one below the other

17. How to insert and retrieve elements from data base using PHP.

basic technical questions:

1.Explain Pointers? pointer concepts and its use and dangling reference.?

2.Why do we need functions?

3. Merits and demerits of linked list?

4.What is Normalization?

5. .OSI layers,. TCP/IP Protocol suite

6. Dbms outer left join

7. Define trigger and index in dbms

8. Sql queries to find employee with average salary, if there is no person with salary equal to average salary then find the one with nearest.

9. Data base tables for an application of shopping mall.

10. Library implementation using threads and synchronization concept.

11. What are various Scheduling algorithms

12. Questions about complexity of programs

13. Real time application for sorting techniques and explain.. which sorting technique is best..

15. . What is bootstrapping

16. Difference between python and java.?

17. If you were to create an application for your college, what would be your approach.

18. . . What is the difference between b++ and b=b+1 (he gave hint :in terms of memory.. do u remember microcontroller subject)

19. . What is the complexity of quicksort and explain algorithm

20. Questions on my projects and I was asked to explain the database tables I created with queries.

21. difference between C++ and java

22. operating system definition

23. . What is DNS and explain how it works?

24. . What is kernel?

25. . What is context switching and how it helps during the execution of a process?

26..Define graph and explain its uses?

27. Tell me about your mini project- If it contains database then they'll ask you to normalize it or give a situation to expand the tables.

Programs:

1.C program to find if number is a power of 2,

2. Find the Nth element of Fibonacci series using recursion,

3. Find the Nth element from end of single linked list.

4. Write a program to check whether a string is a palindrome

5. . Write a program to Print the reverse of a string by using recursion,

6 . Write a program to Search a number with least time complexity

7. . Write a program to Traverse a single linked list

8. . Write a program to find out Sum of array without using a looping construct ?

9. Given a Linked List , check whether it has a loop or not and then ,find the position where the loop started?

10. Given a matrix with all rows sorted and columns sorted, How can you search a number?

11. Program to find the mirror image of the tree structure?

12. What is round robin scheduling. and write the code to implement it?

13. Print the pattern : 1s in diamond shape with spaces.

14. a) Print the following pattern ?

0

1 0 1

0 1 0 1

0 1 0 1 0

1 0 1 0 1 0

15. Write a program for removing duplicate elements in the array?

16. Given a very large array ['a'.'/','v','4','t','@'...] which can contain any characters including international characters and special characters, write a program to calculate frequency of each character, and if the frequency of a character is>1, then print the character and value.

17. Write bubblesort code and explain

18. Print the pattern

1

1 1

1 1 1

1 1

1

19. )Given two arrays find out the distinct elements in the first array when both the arrays are compared.

20. Consider a server associated with a large LOG file. Find the exceptions in LOG file, write them onto a new file.

Hr questions:

1. Introduce yourself
2. Do you have any extra curricular activities??
3. Explain all my projects and role played. ,questions from projects.
4. What is global customer support , if you are assigned a customer and you cannot solve their problem , then would you try until u solve it or assign to someone with more experienced?
5. Tell me about your family ,Are you okay to relocate to Bangalore? , how will you take care of your family if you r working in bang lore?
6. Hobbies, strengths and support your answer with an example and weaknesses
7. DETAILED SCRUTINY OF RESUME! DETAILS ABOUT THE PERCEPTION OF LIFE, and some behavioral questions.
8. What were some Difficulties , problems faced in mini projects.
9. Why pega is your dream company??
10. How are your projects different from already available ?
11. Tell me about your family , In your family brother ,father are in government sector, why are you opting for private sector,
12. You stood first in school, but you are doing okay in ur academics’ in engineering why?
13. Why should I hire you?
14. What do you know about our company?
15. What is your Aim, ?
16. What is the reason for your interest towards pega.
17. Which concept inspired you in PEGA (SAE1 and SAE2)Course.
18. What did you learn during your engineering life ?
19. What are your future plans?

Writing round:

1. View on driver less cars.
2. view on selling a toothbrush
3. view on roads and traffic