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Amazon Interview | Set 40 (On-Campus Round 1)

- Difficulty Level :\nEasy
- Last Updated :\n31 May, 2021

20 Objective type questions (Technical: OS, Java, Networking) and 2 programs. Time given was 90 minutes.\xc2\xa0

1) Longest Remaining Time Scheduling\xc2\xa0

2) Threads\xc2\xa0

3) subnetmask \xe2\x80\x93 classB \xe2\x80\x93 64 departments\xc2\xa0

4) Match the following\xc2\xa0
SMTP\xc2\xa0
BGP\xc2\xa0
TCP\xc2\xa0
PPP\xc2\xa0

5) On recursion, value of f(513,2)\xc2\xa0

```
 if(n<0)\n   return 0;\n else \n   return ( n%10 + f(n/10, 2) )
```

6) Complexity?\xc2\xa0

```
f(i) = 2*f(i+1) + 3*f(i+2)\nFor (int i=0; i < n; i++)\n   F[i] = 2*f[i+1]
```

7) Frog steps either 1, 2 or 3 steps to go to top. In how many ways it reaches the top?\xc2\xa0
Based on recursion, options\xc2\xa0
a) f(i) = f(i+1)+f(i+2)+f(i+3)+1\xc2\xa0
b) f(i) = f(i-1)+f(i-2)+f(i-3)+1\xc2\xa0
c) f(i) = f(i+1)+f(i+2)+f(i+3)\xc2\xa0
d) f(i) = f(i-1)+f(i-2)+f(i-3)\xc2\xa0

8) Based on java 2 questions, one from Exceptions\xc2\xa0

9) Preorder is given, we had to find out the postorder\xc2\xa0

10) Memory management, pa=32bit, la=36bit , frame size=2^12, first page entry, second page entry\xc2\xa0

11) This question is from GATE CS previous question papers

```
   for (int i=0; i < n; i++)\n    Fork();\n   No of child process?
```

Programs:\xc2\xa0
1) Print left view of binary tree\xc2\xa0

2) Sum of 3 linked list\xc2\xa0

```
 Digit..   123------1->2->3------------linkedlist1\n      234----2->3->4--------------linkedlist2\n      34567----3->
```

Sum(linkedlist1, linkedlist2, linkedlist3)\xc2\xa0
We had to print the linkedlist form of the digit.\xc2\xa0

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All Practice Problems for Amazon !\xc2\xa0

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