



AMD Interview Experience - On Campus



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Roles : - Server CPU software development team

KEY RESPONSIBILITIES:

- Problem solving across multiple software layers, (user space, kernel, applications, libraries) and hardware
- Optimization/development of the CPU performance stack (applications, libraries) for AMD server processors
- Analyze and solve performance, scalability bottlenecks when code is running on multi-core, multi-node deployments.

- Innovate and publish papers, patents and participate in technical conferences to advance AMD technologies.
- Continuously learn and grow along with evolving X86 server CPU architecture and application landscape

In total there were 2 Interview rounds : -

- Technical Round - 1
- Technical Round - 2

Question Asked

Technical Round - 1

1. Program to print all the permutations of a given string.
2. Print the output

```
#include<stdio.h>
int main()
{
    int a = 500001;
    a = 103, 122, 342343;
    printf("%d", a);
    return 0;
}
```

3. Exchange the last and first nodes in a circular linked list without using any new node.
4. Program to do the transpose of a matrix. Also do a dry run of it.
5. Source address = 1000 1001 10021020
 Source values = 1 2 3 4
 Destination address = 1010 1011 10121030
 Destination values = Copy 20 values from source

Technical Round - 2

1. Given a string of sentence. Reverse only the words which do not have vowels in it.
2. Given a chess board count the number of squares in it.
3. What if the above board is not a square matrix.