

Quiz # 2

Write down the output of the following code segment or mention the error if it have.

```
#include<iostream>
using namespace std;
struct S
{
    int * ptr;
};
int main()
{
    S *sp;
    sp = new S[2];
    sp[0].ptr = new int;
    sp[1].ptr = new int[2]{30,40};
    *sp[0].ptr = 10;
    *sp[1].ptr = 20;
    cout << ((*sp[1]).ptr) << " " << (*sp).ptr << endl;
    cout << (sp[1]->ptr+1) << " " << ((*sp[1]).ptr+1) << endl;
    return 0;
}
```

```
#include<iostream>
using namespace std;
void processArray(int * const arr, int size)
{
    for (int i = 0; i < size; i++)
        cout << arr[i] << endl;
    cout << arr[i] << endl;
}
int main()
{
    const int SIZE = 3;
    const int numbers[SIZE] = { 18, 17, 12 };
    processArray(numbers, SIZE);
    return 0;
}
```

```
#include<iostream>
using namespace std;
double ** GetWeeklySalary()
{
    double w = 880.24;
    double *ws = &w;
    double **wwss = &ws;
    return wwss;
}
int main()
{
    double WeeklySalary = **GetWeeklySalary();
    cout << "Weekly Salary: " << WeeklySalary << endl;
    return 0;
}
```