

Video No.: 72

Topic Name: Static and Dynamic Scoping - Part 04

>> In most of the programming languages Static Scoping is followed instead of Dynamic Scoping. Basically, Modern languages follow Static Scoping.

>> Algol, Pascal, C, Haskell, Scheme follows Static Scoping

>> SNOBOL, APL, Lisp follows Dynamic Scoping

>> As C follows static scoping therefore it is not possible to see programmatically how dynamic scoping works in C.

Example:

```
#include<stdio.h>
```

```
int x = 50;
```

```
int fun2(){
```

```
    return x;
```

```
}
```

```
int fun1(){
```

// x = 10 if we do this answer will be 10 as the global value of x will be changed

```
    int x = 10;
```

```
    int y = fun2();
```

```
    return y;
```

```
}
```

```
int main(){
```

```
    printf("%d", fun1());
```

```
}
```

Output: 50