

**Video No.:** 73

**Topic Name:** Static and Dynamic Scoping - Solved Question 1

**Question 01**

Consider the program below in hypothetical programming language which allows global variables and a choice of static or dynamic scoping.

- Let x be the value printed under Static Scoping.
- Let y be the value printed under Dynamic Scoping.

```
int i;  
program main()  
{  
    i = 10; // Global  
    call f();  
}  
procedure f(){  
    int i = 20; // Local  
    call g();  
}  
    procedure g(){  
        print i;  
    }
```

a)	x = 10	y = 10
b)	x = 20	y = 10
c)	x = 10	y = 20
d)	x = 20	y = 20