

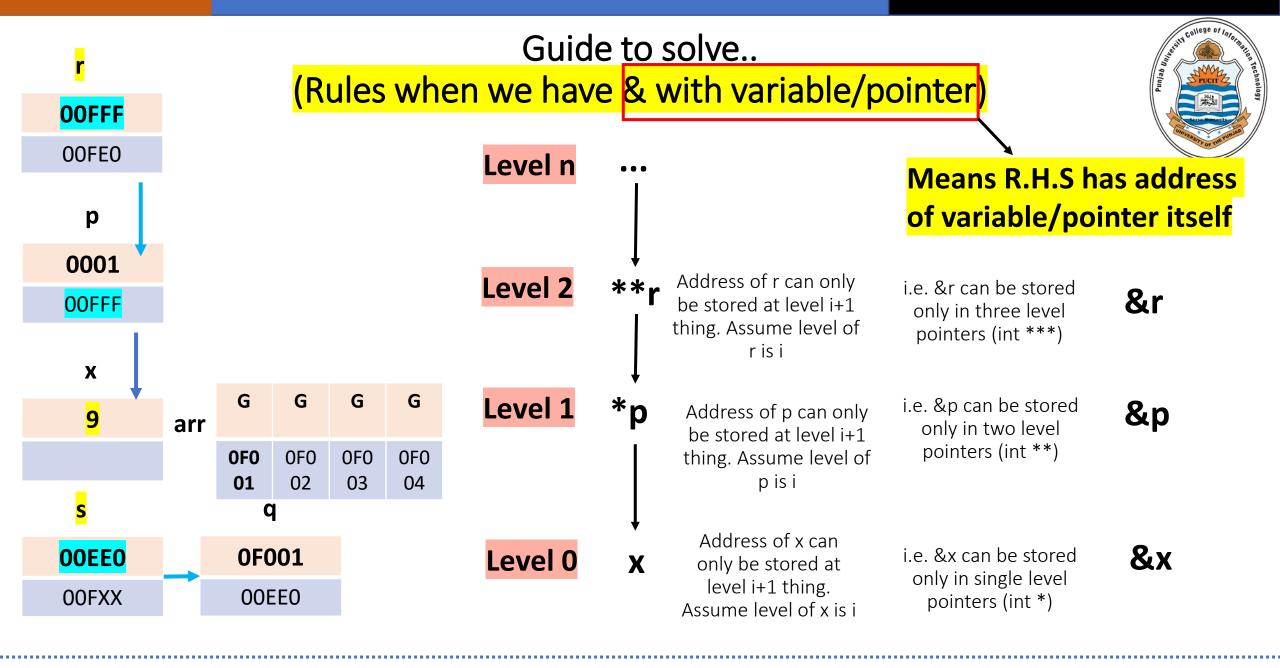
Practice v11 Pointers and pointers to pointer

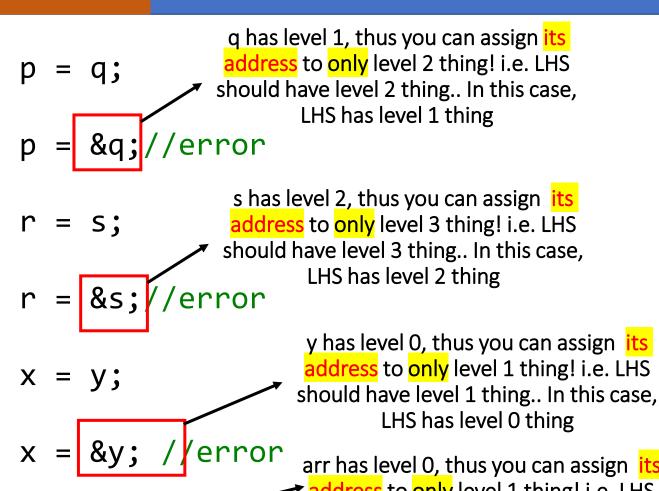
Which of the following statements are incorrect?



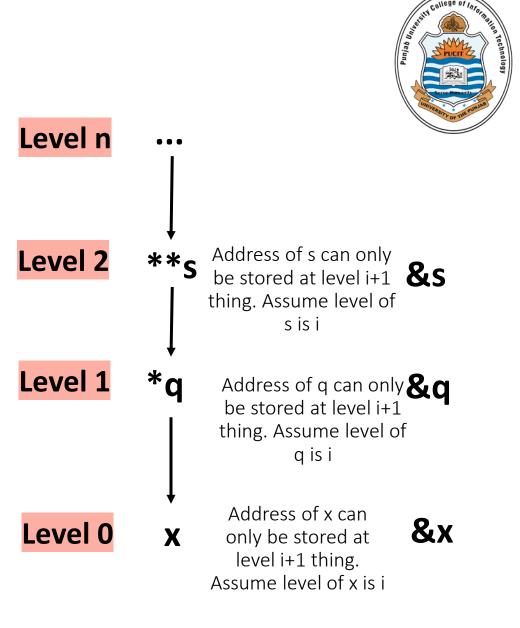
```
#include <iostream>
#include <cstring>
using namespace std;
int main()
    int x = 9, int y = 7;
    int arr[4];
    int* p,*q;
    int** r, ** s;
    p = &x;
    r = &p;
    s = &q;
    q = arr;
```

```
p = q;
p = &q;
r = s;
r = &s;
x = y;
x = &y;
r = arr;
return 0;
```





r;//	error		should have level 1 thing. In this case, LHS has level 2 thing				
	X	arr	р	q	r	S	
Level	0	0	1	1	2	2	





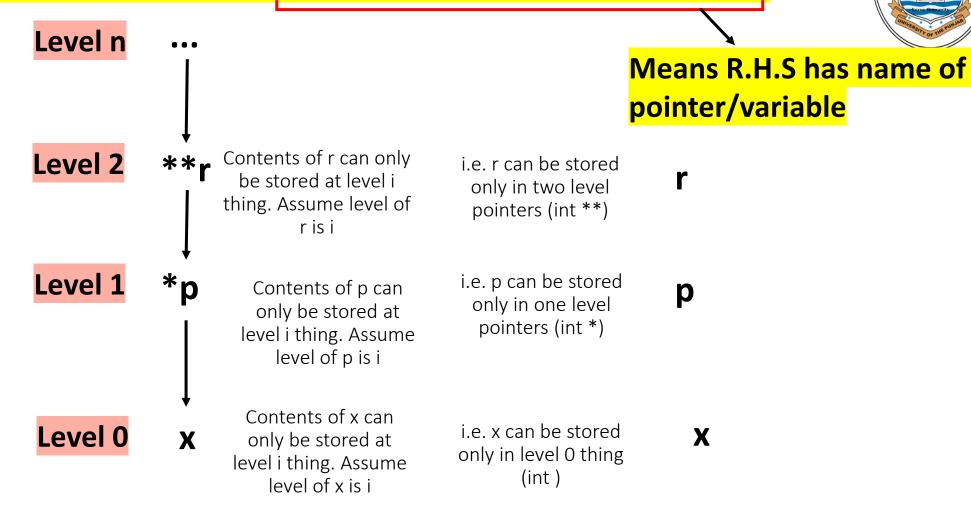


- The rule that we just discussed considers only the case in which you explicitly use & sign at the RHS with variable/pointer..
- The other rules we have discussed earlier says:
 Nature of contents at L.H.S must match the nature of contents
 at R.H.H

Vo & sign at RHS

Guide to solve..

(Rules when we have variable/pointer without & sign



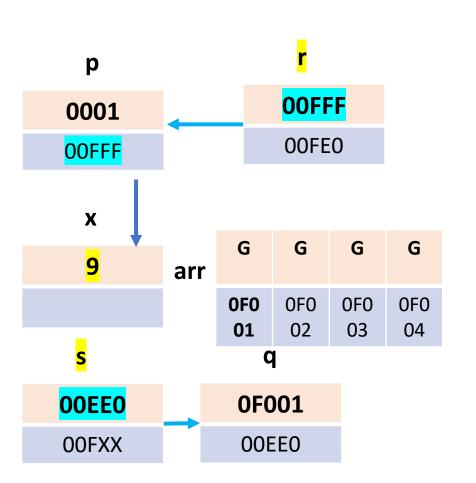
Vo & sign at RHS

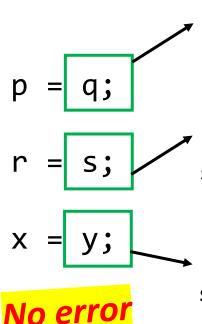
Guide to solve..

(Rules when we have variable/pointer without & sign



Means R.H.S has name of pointer/variable





q has level 1, thus you can assign its contents to only level 1 thing! i.e. LHS should have level 1 thing.. In this case, LHS has level 1 thing

s has level 2, thus you can assign its contents to only level 2 thing! i.e. LHS should have level 2 thing.. In this case, LHS has level 2 thing

y has level 0, thus you can assign its contents to only level 0 thing! i.e. LHS should have level 0 thing. In this case, LHS has level 0 thing