

## CS101/Sample Quiz/# 5

1. For the following program, fill in the values of the array `a` at the position indicated in the program.

```
#include <iostream.h>
void main(){
    int a[5];
    for (int i=0;i<5;i++) a[i]=i*i;
```

a[0]	a[1]	a[2]	a[3]	a[4]
0	1	4	9	16

```
    for (int i=1;i<5;i++) a[i]=a[i-1]+1;
```

a[0]	a[1]	a[2]	a[3]	a[4]
0	1	2	3	4

```
}
```

2. Give the output of the following program.

```
#include <iostream.h>

void main(){
    int a[]={6,5,3,4,1,8};
    int m=a[0];
    for (int i=1;i<6;i++){
        if (a[i]<m) m=a[i];
        cout << m << " " << a[i] << endl;
    }
}
```

Output:

```
5 5
3 3
3 4
1 1
1 8
```

3. What is the output?

```
#include<iostream.h>
class Comp{
private:
    double x, y;
public:
    void init();
    void print_comp();
    Comp bar();
};
void Comp::init(){
    x = 5; y = 2;}
void Comp::print_comp(){
    cout << "(" << x
        << "," << y << ")";}
Comp Comp::bar(){
    Comp z;
    z.x = x; z.y = -y;
    print_comp();
    cout << endl;
    z.print_comp();
    cout << endl;
    return z;
}
void main(){
    Comp w;
    w.init();
    w.bar();
}
```

Output: (5,2) (5,-2)
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