

**Department of Computer Science**  
**CSC215 – Procedural Programming**  
**Lab 9a. Pointers**

Write and run the following program.

```
int main()
{
    int array[5] = {100, 250, 300, 350, 400};
    int i;
    int *p1 = array;
    for(i=0; i<5; i++)
    {
        printf(" %d ", array[i]);
    }
    printf("\n");
    for(i=0; i<5; i++)
    {
        printf(" %d ", p1[i]);
    }
    p1 = &array;
    printf("\n");
    for(i=0; i<5; i++)
    {
        printf(" %d ", p1[i]);
    }

    p1 = &array[0];
    printf("\n");
    for(i=0; i<5; i++)
    {
        printf(" %d ", p1[i]);
    }
    printf("\n");
    for(i=0; i<5; i++)
    {
        printf(" %d ", *p1++);
    }
    p1 = array;
    printf("\n");
    for(i=0; i<5; i++)
    {
        printf(" %d ", p1++);
    }
}
```