1. What will be the output?

```
    float a = 17.5;
    float b = 43.5;
    float *ptr = &a;
    (*ptr)++;
    *ptr =b;
    printf("%.02f %.02f %.02f\n", *ptr, a, b);
        Options:
    A. 43.5 17.5 43.5
    B. 43.5 43.5 43.5
    C. 43.5 18.5 43.5
    D. 18.5 18.5 43.5
```

Answer is B Note with the formatting indicated the output will be 43.50 43.50 43.50 and it will print a new line.

2. What will be the output?

```
    int *ptr = 30;
    int a = 10;
    *ptr = a;
    printf("%d\n",*ptr);
        Options:
    A. 10
    B. 30
    C. 300
    D. Error
```

Answer is A

3. Write a piece of code that prints the characters in a string in reverse order.

```
    char s[10] = "abcde";
    char* cptr;

    cptr = &s;
    for (int i = 9; i < -1; i--)
    {
        printf("%c ", *(cptr + i));
    }
    printf("\n");

    char s[10] = "abcde";
    char* cptr = &(s[9]);

    cptr = &s;
    for (int i = 0; i < 10; i++)
    {
        printf("%c ", *(cptr--));
    }
    printf("\n");
```