1. What is printed out by the following code fragment?

```c
float A=2, B=8, C=5;
*Q=*P;
R=Q;
*R=*Q;
printf("A=%f  B=%f  C=%f\n", A, B, C);
```

2. A programmer was tasked with creating code for a tictactoe game, using a 2-dimensional array. Give the line of code to declare a suitable array.

3. Obama declared a variable `A` as follows: `char *A[10]`
   Explain in English what `A` is/stores.

4. Consider the code used to store a fraction:

```c
typedef struct {
    int numerator, denominator;
} fraction;
fraction F;
// initialization of F omitted
```

Give the line of code to print out F in a suitable format.

5. Write code for a C function called `splicer` that takes two strings and creates a third string that is formed by inserting the second string into the middle of the first string. You can assume that the first string has even length. For example,

```c
char one[]="BULL";
char two[]="cat";
char three[100];
splicer(one,two,three);
printf("Strings %s and %s produce %s.", one, two, three);
```

should produce

Strings BULL and cat produce BUcatLL.

6. Write code for a C function called `singles`. This function is passed an array `A` of floats that has `len` values. It returns the number of values that appear exactly once in `A`. For example, if called with an array of size 7 with data 1, 4.4, 3, 1, -2, 3, 1, function `singles` should return 2.